

EAST HERTFORDSHIRE COMBINED DISTRICTS.

✓ Hertford (M.B.)	✓ Sawbridgeworth (U.D.)
✓ Hoddesdon (U.D.)	✓ Ware (R.D.)
✓ Bishop's Stortford (U.D.)	✓ Braughing (R.D.)
✓ Ware (U.D.)	✓ Hertford (R.D.)

ANNUAL REPORT

OF THE

MEDICAL OFFICER

(Alan D. Whitelaw, M.A., M.D., D.P.H.)

1937.

**EAST HERTFORDSHIRE
COMBINED DISTRICTS.**



Annual Report

OF THE

MEDICAL OFFICER.

1937.

PRINTERS :

CREASEYS, BULL PLAIN, HERTFORD.

1938.

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JOHN LORD*	-	(4, The Causeway)	Bishop's Stortford (U.D.)
C.J. LUCAS*	-	-	(The Priory) Ware (U.D.)
KENNETH STEENT†	-	(The Forebury),	Sawbridgworth (U.D.)
LAURENCE J. DALE*†	-	(97, New Road)	Ware (R.D.)
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* Certificated Meat Inspector (Sanitary Inspectors Examination Board).

† Also District Council Surveyor.

PREFACE.

The following Report on the health of the Combined Districts has been drawn up on the lines indicated in the memorandum of the Ministry of Health.

The chief vital statistics for the year 1937 were :—

	* Resident Population.	* Birth Rate.	* Death Rate.	** Infantile Mortality.
MUNICIPAL BOROUGH.				
Hertford	12,970	11'6	9'9	66
URBAN DISTRICTS.				
Hoddesdon	11,780	14'8	11'8	75
Bishop's Stortford	10,790	13'5	9'8	34
Ware	7,439	14'1	9'9	48
Sawbridgeworth	2,992	11'7	12'2	114
RURAL DISTRICTS.				
Ware	9,612	13'7	8'1	30
Braughing	8,870	10'9	11'2	82
Hertford	6,961	11'1	10'6	31
East Herts C.D.	71,414	13'1	11'9	55
England and Wales		14'9	12'4	58

* Per 1,000 population.

** Per 1,000 births.

These rates have been calculated on the Registrar-General's estimate of the resident population in 1937.

That part of the Report dealing with the Sanitary Inspection of the Area has been tabulated by the Sanitary Inspectors of the different districts (under Article 19 of the Sanitary Officers Order, 1926). They have also compiled the Housing Statistics.

ALAN D. WHITELOW,
Medical Officer of Health.

THE CASTLE,
HERTFORD.
11th July, 1938.

I. General Statistics.

	Area (acres)	Number of inhabited houses (end of 1937, according to Rate Books)	Density (persons per acre)	Density (houses per acre)	Average number of occupants per house	Rateable value	Sum represented by a Penny Rate
						£	£
Hertford (M.B.)	3,882	3,520	3'3	0'9	3'7	94,538	369
Hoddesdon ...	4,430	3,433	2'6	0'7	3'4	83,553	315
Bishop's Stortford	3,826	3,200	2'8	0'8	3'4	86,659	332
Ware (U.D.) ...	1,358	1,950	5'5	1'4	3'8	42,405	164
Sawbridgeworth	2,678	920	1'1	0'34	3'3	18,569	74
Ware (R.D.) ...	29,102	2,597	0'3	0'09	3'7	58,318	243
Braughing ...	45,570	3,260	0'2	0'07	2'7	39,068	166
Hertford (R.D.)	32,664	2,093	0'2	0'06	3'3	33,981	135

	BIRTHS					DEATHS	Natural Increase or Decrease
	Legitimate	Illegitimate		TOTAL			
		Number	Per centage	M.	F.		
Hertford (M.B.)	143	8	5'6	71	80	135	+16
Hoddesdon ...	170	4	2'3	92	82	148	+26
Bishop's Stortford	137	9	6'6	70	76	125	+21
Ware (U.D.) ...	103	2	1'9	60	45	87	+18
Sawbridgeworth (U.D.)	32	3	9'4	19	16	44	- 9
Ware (R.D.) ...	124	8	6'5	66	66	93	+39
Braughing ...	92	5	5'4	65	32	133	-36
Hertford (R.D.)	95	2	2'1	48	49	84	+13
East Herts (C.D.)	896	41	4'6	491	446	849	+88

CAUSES OF DEATH.

CAUSES OF DEATH.	Hertford M.B.		Hoddes- don U.D.		Bishop's Stortford		Ware U.D.		S'gworth U.D.		Ware R.D.		Braughing R.D.		Hertford R.D.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
ALL CAUSES	66	69	85	63	56	69	41	46	19	25	53	40	66	67	43	41
Measles	...	1	...	...	1	...	...	...	1	1	...	...	1	2	1	...
Whooping cough	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	1
Influenza	2	4	2	2	2	4	2	...	...	...	1	3	1	4	2	...
Encephalitis lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Notifiable infectious diseases (including Tuberculosis)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis (including G.P.I., Tabes Dorsalis, &c.	1	2	3	6	5	1	3	5	...	...	1	1	3	1	1	1
Cancer	15	9	7	11	5	13	3	4	...	5	6	4	9	7	5	4
Diabetes	...	1	1	...	2	...	...	...	1	...	...	...	1	1	...	2
Cerebral hæmorrhage	1	3	3	4	2	3	...	2	...	2	2	6	2	5	3	3
Heart disease	18	18	19	12	10	15	16	15	8	7	13	10	13	16	15	16
Aneurysm	...	...	...	...	...	...	...	...	1	...	...	...	2	1	...	...
Other circulatory diseases	3	5	7	5	3	17	1	4	1	1	2	1	12	11	4	3
Bronchitis	1	2	3	5	1	...	...	3	1	3	2	1	...	1	1	2
Pneumonia	2	2	9	1	5	5	5	2	3	3	4	1	...	1	3	1
Other respiratory diseases	3	3	...	1	...	...	...	...	...	...	...	...	...	1	1	1
Peptic ulcer	1	2	1	1	3	...	...	2	...	...	1	...	...	...	1	...
Diarrhoea, &c., (under 2 years)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Appendicitis	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...
Cirrhosis of liver	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...
Other liver diseases	...	...	...	...	...	...	...	...	...	...	1	...	1	1	1	1
Other digestive diseases	...	2	1	...	1	1	1	1	2	2	1	...	2	1	1	...
Acute and chronic nephritis	...	...	...	...	1	2	3	2	1	1	4	3	1	2	...	1
Other puerperal causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital causes, &c.	2	3	6	2	2	1	2	2	2	1	3	1	5	2	1	1
Senility	...	4	4	7	...	...	...	1	...	...	...	...	...	...	...	...
Suicide	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other forms of violence	2	1	1	2	1	1	1	...	...	1	1	1	...	...	1	2
Other defined diseases	3	3	2	6	...	...	4	...	...	3	3	7	...	3	1	...
Causes, ill-defined or unknown	7	5	10	2	11	3	...	...	1	1	4	7	7	7	2	1
Deaths of infants under 1 year	4	6	9	4	...	1	2	3	3	1	4	1	5	3	2	1
Still births	5	13	1	1	1	3	1	3	2	...	...	...	...	2	1	1

II.—General Provision of Health Services for the Area

Nursing in the Home.

HERTFORDSHIRE COUNTY NURSING ASSOCIATION.

(Affiliated to Queen's Institute of District Nursing).

Affiliated Districts.

ALBURY AND LITTLE HADHAM (Westland Green, Bury Green, Green Street, Hadham Ford, Patmore Heath, Clapgate).				
1 Nurse	-	-	-	Population, 1,206.
ASTON AND BENINGTON (Aston End, Hebing End, Burrs Green).				
WATTON AND STAPLEFORD (Whempstead).				
1 Nurse	-	-	-	Population, 1,824.
BAYFORD AND DISTRICT (Brickendon, Little Berkhamstead, Epping Green).				
1 Nurse	-	-	-	Population, 1,423.
BISHOP'S STORTFORD AND THORLEY.				
3 Nurses (2 Queen's)	-	-	-	Population, 10,743.
BRAUGHING, STANDON AND PUCKERIDGE (Hay Street, Dassells, Old Hall Green, Standon Green End).				
1 Nurse (Queen's)	-	-	-	Population, 2,743.
BROXBOURNE.				
1 Nurse	-	-	-	Population, 1,489.
BUNTINGFORD AND DISTRICT (Aspenden, Broadfield, Buckland, Cottered, Layston, Throcking, Westmill, Wyddial).				
1 Nurse (Queen's)	-	-	-	
GILSTON AND EASTWICK.				
1 Nurse	-	-	-	Population, 414.
GREAT AND LITTLE AMWELL.				
1 Nurse	-	-	-	Population, 3,412.
HERTFORD AND DISTRICT (Bengeo, Chapmore End, Tonwell, Waterford).				
4 Nurses (Queen's)	-	-	-	Population, 13,198.
HERTINGFORDBURY (Birch Green, Cole Green, Letty Green, Staines Green).				
1 Nurse	-	-	-	Population, 753.
HIGH CROSS AND THUNDRIDGE (Colliers End, Wadesmill, Castlebury, Nobland Green, Barwick).				
1 Nurse	-	-	-	Population, 1,474.
HODDESDON AND RYE PARK.				
3 Nurses (1 Queen's)	-	-	-	Population, 7,998.

MUCH HADHAM (Green Tye, Hadham Cross, Kettle and Perry Greens).

1 Nurse (Queen's) - - - Population, 1,515.

MUNDEN AND SACOMBE (Dane End, Green End, Haultwick).

1 Nurse - - - Population, 1,088.

THE PELHAMS, ANSTEY AND MEESDEN (Barley Croft End, Patient End, Bandons East End, Cheapside, Snow End, Brent, Furneaux and Stocking Pelhams).

1 Nurse - - - Population, 1,676.

SAWBRIDGEWORTH AND DISTRICT (High Wych, Allen Green and Spellbrook).

2 Nurses - - - Population, 3,676.

STANSTEAD ABBOTTS AND ST. MARGARETS.

1 Nurse - - - Population, 1,795.

TEWIN, BRAMFIELD AND DATCHWORTH (Burnham Green).

1 Nurse - - -

WALKERN AND ARDELEY (White Hill, Bassus Green, Clay End, Wood End, More End, Cromer, Luffenhall, Warren Green).

1 Nurse - - - Population, 1,076.

WARE AND WARESIDE.

3 Nurses (2 Queens) - - Population, 7,543.

WIDFORD AND HUNSDON.

1 Nurse - - - Population, 992.

WORMLEY.

1 Nurse - - -

Laboratory Facilities.

The examination of clinical Material (swabs, sputum and blood) is carried out at the County Medical Hospital Laboratory, Hill End, St. Albans, for all districts except Hertford (M.B.) and Hoddesdon, which are served by the Hertford County Hospital Laboratory.

Samples of water are analysed either at St. Albans or the Counties Public Health Laboratories, London, E.C., according to facility of transport. Milk analyses are carried out at St. Albans.

Hospitals (Voluntary).

HERTFORD. County Hospital (165 beds).

BISHOP'S STORTFORD. The Hospital (61 beds).

County Institutions (Infirmaries).

BISHOP'S STORTFORD. Haymeads (166 beds ; 75 male, 91 female*).

*including 5 Maternity beds and 4 cots.

Ware. Western House (85 beds ; 42 male, 40 female*, 3 children's).

*including 2 Maternity beds.

Ambulance Facilities.

(a) For infectious cases. A motor ambulance is kept at each of the Isolation Hospitals at Hertford and Cheshunt.

Tuberculosis cases travel to and from Ware Park Sanatorium in a motor ambulance belonging to the Herts County Council.

(b) A motor ambulance is provided by the County Hospital, Hertford, for general use in the district and another (the property of the St. John's Ambulance Association) is stationed at the Priory, Ware ; while at Bishop's Stortford the one at Haymeads is available for the use of the public.

Arrangement for the disinfection of infected clothing. &c.

Disinfection of bed linen and blankets is carried out at the Isolation Hospital.

Arrangements for the disinfection of houses and schools.

Fumigation with Formaldehyde is carried out under the supervision of the Sanitary Inspector in all districts.

NUMBER OF PREMISES DISINFECTED DURING 1937.

Hertford (M.B.)	...	33	Sawbridgeworth (U.D.)	3
Hoddesdon	...	29	Ware (R.D.)	...
Bishop's Stortford	...	38	Braughing	...
Ware (U.D.)	...	26	Hertford (R.D.)	...

III.—Infectious Diseases.

	Small Pox.	Enteric Fever.	Scarlatina.	Diphtheria.	Puerperal Fever.	Puerperal Pyrexia.	Pneumonia.	Erysipelas.	Ophthalmia Neonatorum.	Cerebro Spinal Meningitis.	Acute Poliomyelitis.
Hertford (M.B.)	—	—	38	7	—	1	⁹ 9	—	1	—	—
Hoddesdon ...	—	—	23	6	1	1	⁷ 24	2	—	—	—
B'p's Stortford	—	—	32	2	—	1	⁶ 13	1	—	—	—
Ware (U.D.) ...	—	—	16	2	—	1	⁸ 10	—	—	—	—
Sawbridgeworth (U.D.) ...	—	—	3	—	—	—	⁴ 4	—	—	—	—
Ware (R.D.) ...	—	—	13	—	—	2	⁷ 8	—	—	—	—
Braughing ...	—	—	3	3	—	—	² 8	—	1	—	1
Hertford (R.D.)	—	—	20	1	—	—	⁴ 5	1	—	—	—

(Small figures denote deaths).

Schemes for the immunisation of school children against Diphtheria are now in operation in the Borough of Hertford, Hoddesdon (U.D.) and Ware (R.D.).

Case Rates.

	Per 1000 population.					Per 1000 births.	
	Scarlatina	Diphtheria	Enteric Fever	Erysipelas	Pneumonia	Puerperal Fever	Puerperal Pyrexia
Hertford (M.B.) ...	2.93	0.54	0	0	0.69	0	6.62
Hoddesdon ...	1.95	0.51	0	0.17	2.04	5.75	5.75
Bishop's Stortford	2.96	0.18	0	0.09	1.20	0	6.85
Ware (U.D.) ...	2.15	0.27	0	0	1.34	0	9.52
S'wbr'gewth (U.D.)	1.00	0	0	0	1.34	0	0
Ware (R.D.) ...	1.35	0	0	0	0.83	0	15.14
Braughing ...	0.34	0.34	0	0	0.90	0	0
Hertford (R.D.) ...	2.87	0.14	0	0.14	0.72	0	0
East Herts (C.D.)	2.07	0.29	0	0.05	1.13	1.07	5.34
England & Wales	2.33	1.49	0.05	0.37	1.36	13.93	

Previous Five Years.

	SCARLATINA.					DIPHTHERIA.				
	1932	1933	1934	1935	1936	1932	1933	1934	1935	1936
Hertford (M.B.) ...	18	*27	21	*37	21	*11	2	16	*18	6
Hoddesdon ...	*13	11	34	27	24	3	*8	1	*13	2
Bishop's Stortford	30	65	13	1	6	§5	1	2	6	2
Ware (U.D.) ...	19	7	13	*23	8	†7	2	3	4	1
S'wbr'gewth (U.D.)	9	13	7	4	5	*1	—	—	1	—
Ware (R.D.) ...	§11	16	25	46	29	*12	12	*14	*19	7
Braughing ...	8	16	22	19	9	3	—	2	—	—
Hertford (R.D.) ...	6	5	8	18	22	—	2	1	6	—
East Herts (C.D.)	114	160	143	175	124	42	27	39	67	18

* 1 Death.

§ 2 Deaths.

† 3 Deaths.

Isolation Hospitals.

The East Herts Joint Isolation Hospitals are at Gallows Hill, Hertford and at Cheshunt.

Supplies of diphtheria anti-toxin for the use of practitioners in the district are kept at the Isolation Hospital, and at Hertford Castle, Ware Priory and the Council Offices at Hoddesdon and Sawbridgeworth.

Tuberculosis.

New Cases and Mortality during 1937.

	NEW CASES				TOTAL	DEATHS				Mortality Rate per 1,000 population
	Res- piratory M.	F.	Non-Res- piratory M.	F.		Res- piratory M.	F.	Non-Res- piratory M.	F.	
Hertford (M.B.) ...	4	2	2	1	9	—	2	—	1	0·4
Hoddesdon ...	5	5	—	1	11	2	2	—	1	0·4
Bishop's Stortford	1	3	—	2	6	—	—	—	—	0·0
Ware (U.D.) ...	6	1	1	1	9	2	1	—	—	0·4
Sawbridgeworth ...	—	—	—	—	—	—	—	—	—	0·0
Ware (R.D.) ...	—	2	1	2	5	—	—	—	—	0·0
Braughing ...	—	—	1	—	1	—	—	—	—	0·0
Hertford (R.D.) ...	1	—	—	1	2	—	—	—	—	0·0
East Herts (C.D.)	17	13	5	8	43	4	5	—	2	0·1

*Number of cases remaining on the Register
at the end of the year.*

		Respiratory		Non-Respiratory		Total
		M.	F.	M.	F.	
Hertford (M.B.)	...	24	14	13	4	55
Hoddesdon	...	22	14	7	12	55
Bishop's Stortford	...	19	23	4	8	54
Ware (U.D.)	...	27	9	8	8	52
Sawbridgeworth (U.D.)		4	3	—	—	7
Ware (R.D.)	...	12	8	11	9	40
Braughing	...	16	8	7	6	37
Hertford (R.D.)	...	10	5	—	4	19
East Herts (C.D.)	...	134	84	50	51	319

SANITARY INSPECTION OF THE AREA.

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Total number of dwelling-houses inspected	165	208	293	241	141	248	250	80
Number of dwelling-houses inspected under the Public Health Acts	...	...	...	...	...	...	...	...
Re-inspections and visits (including interviews with owners)	85	160	148	192	141	86	68	29
Registered and Licensed Premises inspected	831	1347	379	613	66	251	26	62
Visits <i>re</i> cases of Infectious Disease	296	376	288	644	84	294	196	257
Miscellaneous inspections	30	24	38	38	3	12	10	12
Number of Letters sent	136	332	48	243	195	37	54	3
" " Informal Notices	367	462	118	258	123	278		19
" " Statutory Notices	67	135	92	72	126	70		
" " Prosecutions	11	1	2	8	16	3		1
Complaints of nuisances received	46	70	94	89	7	20		
Improvements carried out	467		205		155	143	306	117
<i>Drainage and Sanitary Arrangements.</i>								
Drains cleansed of obstructions	31	41	19	17	5	34	52	2
Drains provided and improved (re-laid or repaired)	36	37	35	10	6	23	45	10
Disconnecting chambers provided or improved	9	59		13	2	5		
Ventilation pipes repaired or provided	6	16	12	2	2	7	2	
Closets and urinals reconstructed, repaired, etc.	15	58	13	3	4	39	2	1
Water closets and urinals provided	7	5			1	3	35	26
New pans and traps to water closets	20	40	11	6	2	7	3	
Flushing cisterns replaced; supply pipes required	18	20	5	6	18	3	3	
Pail closets provided	...	4			1	21		1

Nuisances abated from offensive cesspools
Dustbins provided

Dwelling Houses, etc.

Cleansing and re-decorating
Windows provided or improved
Walls and ceilings repaired
Roofs, gutterings and chimney stacks repaired
Dampness remedied (damp-proof course inserted, etc.)
Floors repaired, re-laid or ventilated
Cooking ranges and washing coppers repaired or replaced
Food Stores provided or improved
Paving repaired or re-laid
Sinks provided or improved
Houses provided with separate taps
Water-butts provided
Wells cleansed and repaired
Overcrowding abated
Van dwellings removed

Keeping of Animals, etc.

Nuisance from animals, fowls, etc., abated
Offensive accumulations removed
Miscellaneous

Number of houses connected with sewers
Number of houses connected with water mains... ..

Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
12	72	17	18	81	12	25	
10	114	1	14		31	19	
24	94		8	2	26		
28	134		20	2	28	5	
22	87	15	13	6	10	21	6
21	51	8	3		6	24	7
13	60	2	7		7		1
37	7	2	7	1			
34	25						
18	29	5	4	4			
11	47	3	7		12	7	
	6					28	
4	14	1	13		3		14
1					1		13
2		5	3	2	2		2
2	14	8		1	15	5	
15		4		8	9	19	5
42	94	97	47	12		7	5
68	96	95	47	53	2	21	37

1. INSPECTIONS OF FACTORIES, WORKSHOPS, AND WORKPLACES.

(*Factory & Workshop Act, 1901*).

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
<i>Factories</i> (including								
Factory Laundries) :								
Number of Inspections	5	17	1	11	5	17	3	6
„ Written Notices	1	4	—	1	—	1	—	—
<i>Workshops</i> (including								
Workshop Laundries) :								
Number of Inspections	34	32	22	5	23	8	58	29
„ Written Notices	1	1	—	—	1	—	—	—
<i>Workplaces</i> (other than								
outworkers' premises) :								
Number of Inspections	22	4	—	4	1	3	5	3
„ Written Notices	—	—	—	—	1	—	—	—
Total Number of								
Inspections	61	53	23	20	29	28	66	38
Total Number of								
Written Notices	2	5	—	1	2	1	—	—

2. DEFECTS FOUND IN FACTORIES, WORKSHOPS, AND WORKPLACES.

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
<i>Nuisances under the Public Health Acts:</i>								
Want of Cleanliness—								
Found ...		5	3					
Remedied ...		5	3	2				
Want of Ventilation—								
Found ...								
Remedied ...								
Want of Drainage of Floors—								
Found ...					1			
Remedied ...					1			
Other Nuisances—								
Found ...	2							
Remedied ...	2							
Sanitary accommoda- tion insufficient—								
Found ...				1	2			
Remedied ...					2			
Sanitary accommoda- tion unsuitable or defective—								
Found ...	2							
Remedied ...	2	2		6				
Sanitary accommoda- tion not separate for sexes—								
Found ...								
Remedied ...								
<i>Offences under the Factory & Work- shops Acts :</i>								
Referred to H.M. In- spector ...								
Total of Defects—								
Found ...	4	5	3	1	3			
Remedied ...	4	7	3	8	3			
Total Defects referred to H.M. Inspector								

REGISTERED WORKSHOPS.

			Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Bakehouses	...	...	11	10	8	9	5	7	10	5
Batmakers	...	...		4						
Bootmakers	...	...	6	9		5	4	4	3	
Bottlewashers	...		2		2					
Builders & Carpenters			11	7	6	2		10	9	4
Cabinet Makers	...		3	2	2	1				
Cycle Repairers	...		3	4	4		1	2	2	
Dress Makers and Milliners			6	11	2	2	3	3	2	
Engineers	...	...			4	1	1	4	1	
Founders	...	...			2	1			1	
Motor Repairers	...		6	5	13	1	3	8	3	6
Laundries	...	...	2	3	3		2	2		1
Maltings	...	...	6	1	3	26	1	3		
Plumbers	...	...		8			2	2		
Printers	...	...	1	4		1		1	1	
Stonemasons	...	...	1		2	1			5	
Sadlers and Harness Makers			2		1	1		1	2	2
Smiths & Wheelwrights			4	6	2	1	3	6	12	12
Suit Cleaners	...	...	1	2	1					
Tailors	...	...	3	3	6	3	3	1	1	1
Watchmakers	...	...	6	2	2	2	2	1	1	
Miscellaneous	...	...	5	6	7		9	3	2	1

HOUSING.

1. *Inspection of Dwelling-houses during the year :—*

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)

(b) Number of inspections made for the purpose

(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925

(b) Number of inspections made for the purpose

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation

(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation

2. *Remedy of Defects during the year without service of formal notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers

Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
165	208	293	241	141	248	250	80
175	208	293	251	207	371	310	142
80	27	34	41	45	37	136	44
90	27		51	68	39	147	48
10	13	17	7	5	1	20	8
32	34	22	14	20	26	16	34
18	27	12	16	20	129	16	12

3. *Action under Statutory Powers during the year :—*

A.—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :

- (1) Number of dwelling-houses in respect of which notices were served requiring repairs ...
- (2) Number of dwelling-houses which were rendered fit after service of formal notices :—

- (a) By owners ...
- (b) By Local Authority in default of owners

B.—Proceedings under Public Health Acts :

- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ...
- (2) Number of dwelling-houses in which defects were remedied after service of formal notices :—

- (a) By owners ...
- (b) By Local Authority in default of owners

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :

- (1) Number of dwelling-houses in respect of which Demolition Orders were made ...
- (2) Number of dwelling-houses demolished in pursuance of Demolition Orders ...

Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge-worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
33		12	2	15		8	
4		12		15	40	8	
41	1	109	48			10	1
	1	109				10	1
7	7	36	9	22	3	26	
4	8	24		1	1	39	5

D.—Proceedings under Section 12 of the Housing Act,
1936:

- (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made
- (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit

4. *Housing Act, 1936—Part IV.—Overcrowding:—*

- (a)—(1) Number of dwellings overcrowded at the end of the year
- (2) Number of families dwelling therein... ..
- (3) Number of persons dwelling therein... ..
- (b)—Number of new cases of overcrowding reported during the year
- (c)—(1) Number of cases of overcrowding relieved during the year
- (2) Number of persons concerned in such cases

Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
10	20	48	21	5	48	26	21
10	20	49	21	5	48	26	23
80	141	282	176	41½	365	190	141
4	7	23	4		17	1	
4	14	2	13		1	13	13
30	102	20	84		8	78	88½

Number of Houses built during 1937.

Without State Assistance—

By the Local Authority ...
By other bodies or persons ...

With State Assistance—

By the Local Authority ...
By other bodies or persons ...

TOTAL

Number of Council houses contemplated or in course of erection ...

Number of houses dealt with under the Housing (Rural Workers') Acts, 1926 ...

Number of Council houses ...

Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge-worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
—	—	—	32	—	12	—	—
42	96	65	11	55	4	39	20
—	—	32	—	—	—	50	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
42	96	97	43	55	16	89	20
—	—	—	—	—	—	—	—
63	24	84	38	30	66	50	66
—	—	—	—	—	2	2	—
576	346	230	387	81	302	330	208

VI. FOOD.

A. *Milk Supply.*

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
Number of Cowkeepers on register	8	11	10	13	8	78	94	78
„ Dairyman „	15	23	4	21	8		1	
Purveyors of Tuberculin Tested								
„ Milk	2	3	1	3	1	6	7	2
„ Accredited Milk ...	4	5	1	1		5	10	15
„ Pasteurised Milk ...	1	1		2				
Milk Pasteurising Premises ...				1				
Dairy Cow Population ...	196	235	134	140	125	1295	1902	1321
Number of inspections ...	46	200	45	125	9	95	148	120

B. *Slaughter-houses and Meat Inspections.*

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
No of Slaughter-houses— ...								
Registered ...	2	3	2	2	1	9	13	5
Licensed ...	5	1	2	1		4	2	4
Knacker's Yard ...						1	1	
No. of visits to Slaughter-houses	98	389	203	285	26	218	113	29
„ „ other premises...	70	43	39	181	8	3		
Casualty Slaughter ...								

Borough of Hertford.

Water.

There are four separate pumping stations: Molewood, Hartham, Waterford and Port Hill. Most of the Town is supplied by the Port Hill reservoir, which is filled from Molewood and Port Hill. Bengoe, Hertingfordbury, Great Molewood and the higher parts of the Town are supplied by the Bengoe water tower, which is filled from Hartham and Waterford (augmented by Port Hill).

Drainage and Sewerage.

The method of disposal of the sewerage of the town is by the presedimented activated sludge process, and the resulting effluent is ultimately discharged into the River Lee.

The extension of the sewer to Hertingfordbury is nearing completion. The scheme provides a 9 inch sewer and pumping plant for lifting the sewage. At present this village has a conservancy system.

Public Cleansing.

There is a weekly collection, in covered freighters, of refuse which is disposed of by controlled tipping on Hartham.

Movable ashbins are now in general use. There is still one covered ashpit at Bengoe for a block of 4 cottages.

The cesspools on the Great Molewood estate are emptied free.

Shops Act, 1934.

During the year, 22 inspections have been made in connection with the sanitary provisions of the Act. Improved sanitary accommodation and washing facilities have been provided at three shops within the Borough.

Smoke Abatement.

This is not a serious problem in the Borough. During the year, action was taken in regard to the emission of dust arising from the burning of wood shavings, and as a result, the firm are installing machinery for the conversion of the wood shavings into sawdust.

Alkali Regulation Act, 1926.

In January, 1937, serious complaints were received in regard to fumes emanating from processes carried on at a Tar Distillery in the town.

Advantage was taken of certain powers vested in a department of the Ministry of Health. An Inspector visited the factory on several occasions. As a result, the nuisance was abated: no complaints have been received since the 18th of February, 1937.

Swimming Baths and Pools.

The Municipal Open-Air Swimming Bath on Hartham was permanently closed at the end of the season, on account of the impurity of the water.

Eradication of Bed Bugs.

Four Council houses were found to be infested. Two of these were disinfested with Cimex by the Council's employees, and the other two with Hydrogen Cyanide by a Contractor.

Schools.

All the public elementary schools have main water and drainage.

BENGEO SCHOOL. This school, consisting of three departments—boys, girls and infants, has been inspected. The attention of the Managers has been called to the unsatisfactory sanitary provisions and washing facilities. A communication has been received stating that a scheme to modernise the school is under consideration.

Housing.*2, Gashouse Lane.*

The Owners of this house agreed to secure possession and to demolish the house. The house has been demolished.

1, Hartham Lane.

The Owner gave an undertaking not to re-let the house for human habitation when vacated. The house has been demolished.

9a, 9b, 9c, 9d, Port Hill.

In regard to these four houses represented as unfit for habitation, the Owner submitted schemes of improvements. The work has been carried out.

13a and 13b, Port Hill.

These two houses were represented as being unfit for habitation. As the Owner failed to carry out an undertaking to improve the houses, they have been demolished.

49, Castle Street.

This house has been represented as being unfit for human habitation. The Corporation accepted an undertaking that the house would not be used for human habitation when vacated, and have rehoused the tenant.

17, Andrew Street.

A part of the building, comprising the rooms of the first and second floors, and the staircases giving access to the said rooms, has been represented as being unfit for human habitation.

During the year 22 houses, found not in all respects reasonably fit for human habitation, have been improved. The defects dealt with were dampness, provision of separate water supply, tap and sink in the houses, necessary drainage, paving of yards, and general dilapidations.

In regard to 18 of the houses, the improvements were carried out informally after the Owners had been served with a schedule of requirements.

*Overcrowding Survey.**Housing Acts, 1935 and 1936.*

Particulars in regard to the extent of overcrowding and procedure with respect to a survey of 2,700 houses within the Borough, are as follows:—

Number of cases of overcrowding recorded by the	
survey to the 31st March, 1936... ..	24
Number since recorded to 31st December, 1937 ...	6
Total	<u>30</u>

Analysis of the extent of overcrowding on the 31st
December, 1937.

Number of cases abated.

(a) rehoused by the Corporation, 1936	...	...	8
rehoused by the Corporation, 1937	...	...	3
(b) abated by responsible Occupier, 1936	...	...	8
abated by responsible Occupier, 1937	...	...	1
Number of cases abated to the 31st December, 1937			<u>20</u>
<i>No. of cases unabated on the 31st December, 1937</i>			<u>10</u>

With regard to these 10 cases of overcrowding,
applications have been received for houses on
the Corporation Estates in respect to ... 5

The remainder are in occupation of Corporation
houses awaiting transfer to larger houses ... 5

The Corporation are erecting 63 houses at Horns Road to
meet the housing needs of the Borough.

Premises controlled by Byelaws or Regulations.

COMMON LODGING HOUSES.

The White House (55, Railway Street) is the only registered
Common Lodging House in the Borough, affording nightly
accommodation for 39 males. The number of men accommodated
during the year was 8,820, nightly average, 24 men.

No case of infectious disease has occurred at the house.

To meet the requirements of the Public Health Act, 1936,
the registered accommodation has been reduced to 35.

Inspection and Supervision of Food.

(a) *Milk Supply.*

New Cowsheds and Dairy Premises have been constructed by
a producer at Bengoe for the purpose of the production of
Tuberculin Tested Milk.

Bacteriological Examination of Milk.

The following samples of milk retailed in the Borough were examined:—

	<i>Bacteria per mil.</i>	<i>Methylene Blue Test.</i>	<i>Coliform Bacillus.</i>	<i>Presence or absence of Tubercle Bacillus.</i>	<i>Phosphatase Test.</i>
ORDINARY MILK.					
1	—	—	—	Absent	—
2	—	Satisfied	Present in 0·01 ml. Absent in 0·01 ml.	—	—
3	—	Satisfied	Present in 3 tubes	—	—
4	—	Satisfied	Absent	Absent	—
5	—	Satisfied	Absent	—	—
6	28,000	—	Present in 0·01 c.c. Absent in 0·001 c.c.	Absent	—
7	17,000	—	Present in 0·01 0·1 Absent in 0·01 c.c.	Absent	—
8	—	Satisfied	Present in 0·01 ml. Absent in 0·001 ml.	—	—
PASTEURISED MILK					
1	—	Satisfied	Absent	—	Satisfied
TUBERCULIN TESTED MILK.					
1	6,000	Satisfied	Absent	—	—
2	29,000	Satisfied	Absent	—	—
3	6,000	Satisfied	Absent	—	—

(b) Meat and Other Foods.

Food condemned as unfit for human consumption.

Carcase of Cow (septic mastitis)	...	...	...	...
Fish Roes (3 boxes)	...	...	...	42lbs.
Ham (tinned ham)	...	...	...	13lbs.

Carcases Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)					
Number inspected ...	59	3	14	294	259
All diseases except T.B. Whole carcasses condemned		1			
Carcases of which some part or organ was condemned				2	
Percentage of the num- ber inspected affected with disease other than Tuberculosis		33%		.7%	
Tuberculosis only— Whole carcasses condemned					
Carcases of which some part or organ was condemned					
Percentage of the num- ber inspected affected with Tuberculosis ...					

*Prevalence of, and Control over, Infectious Disease.**Scarlet Fever.*

Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total
All Saints'	-									2	2	2	6†
Bengeo -	-		2	2	3	3	1					1	12
St. Andrew's	-	4		1	1			4	1	4	3	2	20*
Total	-	4	2	3	4	3	1	4	1	6	5	5	38

* 7 of these cases occurred at the County Hospital.

† 2 „ „ „ among the staff at the Isolation Hospital.

The schools where cases occurred were as follows : -

Bengeo 8, Cowbridge 5 and St. Andrew's 1.

Diphtheria.

- Two cases occurred at an Approved School and 4 at the County Hospital.

Immunisation against Diphtheria is available free for all children between 5 and 8 inclusive. Only 9 children received this treatment during the year.

Council Houses.

Estate.	Type of House.	Number of Houses.	Gross Rent per week.
(1919 Act.)			
<i>Camps Hill.</i>	A.3	8	12/6
(Sele Road, North Road.)	A.3	28	12/-
	B.3	35	15/3
72 houses.	B.3	1	16/- (Garage.)
(1923 Act.)			
<i>Bengeo.</i>	B.3	32	15/6
(New Road, Parker Avenue, Revels Road, Palmer Road, Gosselin Road.)	A.3	18	13/-
	A.2	27	11/3
	A.2	20	11/-
	A.2	8	10/9
152 houses.	A.2	47*	10/6 *(One house Garage.)
(1923 Act.)			
<i>Stanstead Road.</i>	B.3	58	15/-
(Stanstead Road, Foxholes Avenue, Page Road, Admiral Street, Clyde Terrace, Spinney Street.)	A.3	53	12/9
	A.2	23	11/-
134 houses.			
1924-1925-1930 Act.)			
<i>Horns Mill.</i>	A.3	21	8/7
(Horns Road, Horns Close, Pearson	A.3	28	10/7
Avenue, Pearson	A.2	12	8/9
Close, Bayford	A.2	1	4/6 (Rent & Rate Relief.)
Close, Lee Close.)	A.2	17	8/11
	A.2	1	9/1
109 houses.	A.2	26	7/3
	A.2	3	5/2 (Rate Relief.)
(1924-1925-1930 Act.)			
<i>Hertingfordbury Road.</i>	A.3	10	8/6
(Campfield Road,	A.3	55	10/7
Chelmsford Road,	A.3	1	7/9
Mount Road, Ashley	A.3	2	9/1
Road, Hertingfordbury	A.3	1	9/4
Road, The Walk.)	A.2	10	7/-
109 houses.	A.2	30	8/9
		<u>576</u>	

Summary.

Type A.2 (2 bedroom non-parlour).	224 houses.	Rents range from 4/6 to 11/- per week inclusive.
Type A.3 (3 bedroom non-parlour).	226 houses.	Inclusive rents range from 7/9 to 13/- per week.
Type B.3 (3 bedroom parlour).	126 houses.	Inclusive rents range from 15/- to 16/- per week.

The department also controls 6 almshouses at inclusive weekly rents of 2/6, and 3 other cottages on Port Hill at rents from 10/7 to 16/9 per week inclusive. (These are B.3 type).

The Council started building in September, 1937, 63 type A.3 houses at inclusive weekly rents of 12/4 (without any subsidies). The first house was let on April 3rd, 1938.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	7	...	...	1	1	...	2	2	...	1	...	...	...	7	...	...	0
Scarlet Fever ...	38	...	1	1	2	3	19	3	3	3	3	...	...	37	...	1	0
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
Pneumonia ...	9	1	...	...	...	...	...	...	...	2	...	3	3	3	...	...	9
Ophthalmia Neonatorum ...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	6	...	...	...	...	...	...	...	...	2	2	2	...	4	...	...	1
Other Tuberculosis ...	3	...	...	1	1	...	...	...	...	...	...	1	...	1	...	1	1

Hoddesdon Urban District.

Water.

Hoddesdon and Rye Park are supplied from the Council's well in Middlefield Road, and Broxbourne and Wormley from their well at Broxbourne: both supplies are chlorinated. A scheme for a new waterworks at Middlefield Road, Hoddesdon, instead of the above is now before the Ministry of Health. The new waterworks will comprise a well 150 ft. deep, with adits driven into the chalk at water bearing strata levels: an electrically driven pump will supply the West Hill Reservoir (200,000 gallons capacity). The existing Broxbourne Waterworks will remain as an emergency supply and as a Booster for filling the Cold Hall Green Reservoir. There will also be a Water Tower at Goose Green. Part of the Urban District (formerly in Great Amwell Parish) is supplied by the Metropolitan Water Board. Houses in the rural parts of the District still depend on wells and springs.

Drainage and Sewerage.

There is main drainage for most of the Urban District. The sewage disposal works at Rye Park consist of detritus and settling tanks, contact beds and rotary percolating filters: the effluent finally enters the River Lee. Improvements have been carried out at the Broxbourne and Wormley Sewage Farms, where primary settling tanks and pumping machinery have been installed, providing partial treatment instead of broad irrigation as formerly.

Cesspools are emptied quarterly free by the Council.

It is estimated that there are 50 houses with pail closets, some of which are emptied by the Ware R.D.C. There are also 2 privies in the District as well as a few chemical closets.

Scavenging.

There is a weekly collection of house refuse from practically the whole of the District. It is disposed of by controlled tipping at a site off Essex Road and also in the refuse destructor.

Shops Act, 1934: Section 10.

Thirty inspections were made during the year, and the following improvements secured by informal action :—

Ventilation improved	-	-	-	3
Heating apparatus installed	-	-	-	2
Water supply and sink provided	-	-	-	1
Other insanitary conditions remedied	-	-	-	3

Every opportunity is taken when plans for conversion or alteration of shop premises are submitted, to ensure that the provision of the above will be complied with.

Public Health (Smoke) Abatement Act, 1925.

It was not found necessary to take any action under the above Act during the year.

Swimming Baths and Pools.

A road house has an open-air swimming pool which is frequented by the general public. The bulk of the water used comes from the town mains and purification is effected by filtration and chlorination. A sample of the water, taken in August, submitted to chemical and bacteriological analysis was reported on as being of a high degree of bacterial purity, and safe for swimming bath purposes.

Eradication of Bed Bugs.

During the year, 6 Council Houses and 11 other houses were found to be infested. Disinfestation was carried out in each case.

Methods employed :—

The wall paper was stripped off ; skirting boards, architraves and other woodwork removed, and treated with a contact insecticide ; all crevices likely to form a harbourage were sprayed with a liquid insecticide.

In some instances the process of spraying was repeated after an interval of 8 or 9 days.

Fumigation with a proprietary preparation has also been employed in addition to the above procedure, where the tenants' effects remained in the rooms.

In order to prevent the Council Houses becoming infested with bugs, the furniture and effects were disinfected before being transferred to Council Houses. Disinfestation was effected in these cases by fumigation in the tenant's dwelling before removal, with a proprietary preparation.

Tenants of Council Houses are requested to notify immediately any appearance of vermin in their homes, and inspections are made from time to time of Council Houses, in cases where bug infestation is likely to be present.

Schools.

All schools have the main water supply and are connected to the sewers.

Housing.

Demolitions.

Nos. 1, 2 and 3, Shadbolts Yard, Hoddesdon	-	-	3
No. 52, Burford Street, Hoddesdon	-	-	1
Building at the rear of No. 61, Amwell Street, Hoddesdon			1
Nos. 53, 55 and 57, Burford Street, Hoddesdon	-		3
			<hr/>
			8
			<hr/>

Undertakings have been given by the Owners of the following dwellinghouses not to let them for human habitation until they have been made fit to the satisfaction of the Council :—

Bungalow, adjoining the Green Man Inn, Goose Green.
No. 58, High Road, Wormley.

Demolition Orders were made during the year on the following properties :—

Nos. 27, 29 and 31, Pauls Lane, Hoddesdon	-		3
No. 4, Admirals Walk, Hoddesdon	-	-	1
Nos. 12, 14 and 16, High Road, Wormley	-	-	3
			<hr/>
			7
			<hr/>

*Inspection and Supervision of Food :**Milk Supply.*

Number of retail purveyors of milk	-	-	18
Number of retail purveyors of milk by rounds			
from premises outside the Urban District	-		5

One cowshed was enlarged and modernised, the lighting and ventilation and drainage being improved. The dairy used in connection with this cowshed was considerably improved. Improvements to the floors and channel of another cowshed were also effected.

Milk (Special Designations) Order, 1936.

Retailers' licences in respect of Tuberculin Tested Milk	3
Supplementary retailers' licences in respect of Accredited Milk	1
Supplementary retailers' licenses in respect of Pasteurised Milk	1

Bacteriological Examination of Milk.

*Reports on Examination of Milk Retailed under
The Milk (Special Designations) Order, 1936.*

<i>Date</i>	<i>Designation</i>	<i>Methylene Blue Test</i>	<i>No. of Bacteria per 1 ml.</i>	<i>resence of B/coli in 1/100 ml.</i>	<i>Report</i>
22/4/37	Tuberculin Tested	Not decolourised	6,800	Absent	Conformed
22/4/37	do.	do.	18,000	do.	do.
24/6/37	do.	do.	1,360	do.	do.
24/6/37	Pasteurised	—	36,000	do.	do.
16/7/37	Tuberculin Tested	Not decolourised	4,400	do.	do.
19/8/37	do.	do.	26,000	do.	do.
15/9/37	do.	do.	11,400	do.	do.
5/10/37	do.	do.	350	do.	do.

The sample of pasteurised milk satisfied the Phosphatase Test, showing that pasteurisation had been efficiently carried out.

*Reports on Examination of Milk not Retailed under
The Milk (Special Designations) Order, 1936.*

<i>Date</i>	<i>Designation</i>	<i>No. of Bacteria per 1 ml.</i>	<i>Presence of B/coli</i>	<i>Report</i>
22/4/37	Ordinary ...	6,100	Absent	Conformed ...
22/4/37	Do. (Mixed)	112,000	Do.	Do.
22/4/37	Ordinary ...	13,300	Present in 1/10 and 1/100	Unsatisfactory
22/4/37	Do.	27,000	Absent	Conformed ...
22/4/37	Do.	153,000	Do.	Do.
31/5/37	Do.	14,300	Do.	Do.
31/5/37	Do.	58,000	Do.	Do.
31/5/37	Do.	9,500	Do.	Do.
31/5/37	Do.	21,500	Do.	Do.
31/5/37	Do.	480,000	Present in 1/10th ...	Unsatisfactory
24/6/37	Do.	272,000	Absent	Conformed ...
24/6/37	Do.	78,000	Do.	Do.
24/6/37	Do.	4,400	Do.	Do.
24/6/37	Do.	46,000	Do.	Do.
16/7/37	Do.	23,700	Present in 1/10th ...	Unsatisfactory
16/7/37	Do.	400,000	Present in all 3 tubes ...	Do.
16/7/37	Do.	520,000	Do. Do.	Do.
16/7/37	Sterilized ...	Sterile	Absent	Conformed ...
19/8/37	Ordinary ...	20,300	Present in 1/10th ...	Unsatisfactory
19/8/37	Do.	198,000	Absent	Conformed ...
19/8/37	Do.	23,200	Present in 1/10th ...	Unsatisfactory
19/8/37	Do. (Mixed)	54,000	Present in all 3 tubes ...	Do.
15/9/37	Ordinary ...	16,900	Absent	Conformed ...
15/9/37	Do.	191,000	Do.	Do.
15/9/37	Do.	21,000	Do.	Do.
5/10/37	Do.	4,200	Do.	Do.
5/10/37	Do.	7,400	Do.	Do.

27 samples of ungraded milk were submitted, of these 6 were from milk produced outside the County, 1 sample of which was of sterilized milk.

In 9 instances *Bacillus Coli* was found to be present, being accompanied by a rather high Bacterial count in 4 of these cases. Where unsatisfactory reports were received, visits were paid to the premises and advice given, and further samples taken, the matter being followed up until satisfactory reports were being received.

*Biological Examination of Milk.**Reports on Samples of Milk submitted for**Biological Examination.*

<i>Date sampled</i>	<i>Guinea Pig number</i>	<i>Date of inoculation</i>	<i>Killed</i>	<i>Post Mortem appearances</i>	<i>Exam. of film from Guinea Pig</i>	<i>Conclusions</i>
22/4/37	235	23/4/37	21/5/37	No lesions	No T.B.	Negative
22/4/37	234	23/4/37	21/5/37	Carcase glands affected	T.B. recovered	Positive
24/6/37	409	25/6/37	22/7/37	No lesions	No T.B.	Negative
24/6/37	410	25/6/37	22/7/37	do.	do.	do.
19/8/37	568	20/8/37	30/8/37	Animal died from pseudo tubercle	do.	Inconclusive owing to inter-current infection

5 samples of milk were submitted for the biological test for the presence of tuberculosis. Negative results were recorded in 3 instances, one test was inconclusive, and one positive. The County Medical Officer was informed in the latter case; the cow believed to have been responsible had been removed from the herd before the result of the test was known.

*(b) MEAT AND OTHER FOODS.**Slaughterhouses and Meat Inspection.*

With the exception of sheep and lambs, practically all the carcasses of animals slaughtered in the district are examined.

Carcases Inspected and Condemned.

	<i>Cattle, excluding Cows.</i>	<i>Cows.</i>	<i>Calves.</i>	<i>Sheep and Lambs.</i>	<i>Pigs.</i>
Number killed (if known) -	115	Nil	15	Not known	642
Number inspected -	111	Nil	15	77	627
All diseases except Tuberculosis—					
Whole carcasses condemned	Nil	Nil	1	Nil	Nil
Carcasses of which some part or organ was condemned -	3	Nil	Nil	Nil	2
Percentage of the number inspected affected with disease other than Tuberculosis -	2'7	Nil	6'6	Nil	'319
Tuberculosis only—					
Whole carcasses condemned	Nil	Nil	Nil	Nil	Nil
Carcasses of which some part or organ was condemned -	13	Nil	Nil	Nil	67
Percentage of the number inspected affected with Tuberculosis -	11'7	Nil	Nil	Nil	10'69

The following unsound food was surrendered:—

Animal.	Details.	No.	Approx. Weight.	Disease.
Beast	2 Four-quarters and Offal (Bullock)	1	352lbs.	Generalised Tuberculosis
„	Head and Tongue	5	86 „	Tuberculosis
„	Livers	2	13 „	Tuberculosis
„	Do.	2	10 „	Abscesses
„	Pair lungs	7	36 „	Tuberculosis
„	Mesentery	1	5 „	Tuberculosis
„	Calf	1	32 „	Immaturity
Pig	Heads	39	234 „	Tuberculosis
„	Pair lungs	3	7 „	Tuberculosis
„	Do.	1	2 „	Abscesses
„	Mesenteries	44	30 „	Tuberculosis
„	Livers	1	3 „	Cirrhosis
„	Do.	2	4 „	Tuberculosis
Two boxes of kippers			27 „	Unsound

Total weight of unsound food—841 lbs.

Other Food Premises.

Number of inspections - - - - 43

The stalls retailing foodstuffs in the weekly market are regularly inspected.

Prevalence of, and Control over, Infectious Disease.

Scarlet Fever.

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Rye Park -	1		1		1	3	3	1	1	3	3	1	18
Hoddesdon		1					1	1				1	4
Broxbourne			1										1
Wormley -													0
Total	1	1	2		1	3	4	2	1	3	3	2	23

Diphtheria.

The 6 cases notified occurred in two Rye Park families. Immunisation against this disease is offered free to children (aged 1-13 inclusive) whose homes are in the Urban District and whose parents give their consent. Treatment is carried out by the family doctor.

The following children have received treatment:—

					1936.	1937.
Rye Park	-	-	-	-	19	16
Broxbourne	-	-	-	-	16	8
Hoddesdon	-	-	-	-	5	6
Wormley	-	-	-	-	13	2

*Council Houses.**Housing and Town Planning Act, 1919.*

RYE PARK.

No.	Situation.				Gross Rent.
4	11 and 13, Stanstead Road	...	...	...	15/9
	1 and 3, Crossfield Road	...	...	...	„
46	15 to 27 (odd), Stanstead Road	...	...	...	14/3
	152 to 216 (even), Rye Road	...	...	...	„
	2 and 4 to 8 (inc.), Crossfield Road	...	...	...	„

BROXBOURNE.

20	1 to 12 (inc.), East View	...	...	...	16/1
	1 to 8 (inc.) West View	...	...	...	15/4

WORMLEY.

20	1 to 20 (inc.), Fairfield Cottages	...	...	...	16/1
90					

Housing, Etc., Act, 1923.

RYE PARK.

4	29 to 35 (odd), Stanstead Road	10/6
---	--------------------------------	-----	-----	-----	------

Housing (Financial Provisions) Act, 1924.

HODDESDON.

6	98 to 108 (even), Lord Street	8/3
---	-------------------------------	-----	-----	-----	-----

RYE PARK.

No.	Situation.	Gross Rent.
18	25 to 37 (odd), and 32 to 44 (even), and 62 to 68 (even), Lilac Road	8/3
15	1 to 12 (inc.), Laburnum Road	8/3
4	1, 3 and 5, Hawthorn Road	"
	7, 9, 11 and 13, Hawthorn Road	8/6

BROXBOURNE.

10	1 to 10 (inc.), Hill View	12/7
2	1 Waterworks Cottages	8/2
	2 do.	9/2

55

Council Houses.

Housing Act, 1925.

HODDESLON.

4	110 to 116 (even), Lord Street	8/6
---	---------------------------------------	-----

RYE PARK.

8	39 to 53 (odd), Lilac Road	13/10
24	9 to 23 (odd), 16 to 30 (even) and 46 to 60 (even), Lilac Road	12/2
8	122 to 136 (even), Old Highway	12/6
7	1 to 7 (inc.) Ogard Road	12/-
38	26 to 54 (even), 56 to 60 (even), 35a and 35b and 15 to 49 (odd), Hawthorn Road... ..	9/-
12	2 to 24 (even) Hawthorn Road	8/6
	91, 93, 100 and 102, River Avenue	10/-
24	29 to 39 (odd), 20 to 26 (even), and 40 to 46 (even), Stortford Road	"
	48 to 54 (even), Essex Road	"
	12 to 18 (even), 1 to 27 (odd), and 28 to 34 (even), Stortford Road	9/8
34	32 to 46 (even), and 56 to 62 (even), Essex Road	"

Bungalows.

10	1, 4, 5, 8, 9, 12, 13, 16, 17 and 20, New River Close	6/-
10	2, 3, 6, 7, 10, 11, 14, 15, 18 and 19, do.	7/7

GOOSE GREEN.

1	No. 1	7/5½
1	No. 2	5/9½
1	No. 3	5/9½
1	No. 4	8/2½

183

Total number of houses ... 332.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in Sanatorium	Nursed at Home	Died
Small-pox ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	6	...	...	...	1	...	2	2	...	1	...	...	...	6	...	...	0
Scarlet Fever ...	23	...	...	...	...	3	12	2	...	5	...	1	...	17	...	6	0
Enteric Fever ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Pneumonia ...	24	1	...	...	...	...	2	...	2	1	2	8	...	2	...	22	7
Ophthalmia Neonatorum ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	0
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	9	...	...	...	...	...	...	...	...	9	...	...	...	7	...	...	3
Other Tuberculosis ...	2	1	...	...	...	...	...	...	1	...	...	...	...	1	...	...	2

Bishop's Stortford.

Water.

There is a piped supply for most of the Urban District from the pumping station near the western boundary. The new high level reservoir is now in use. There are still a few wells on the outskirts. A survey of the wells in the area formerly in the parish of Thorley was carried out during the autumn: samples of water from these shallow wells were analysed, and 10 were reported as being contaminated and unfit for drinking. The Council therefore resolved to extend the town mains to Thorley.

Drainage and Sewerage.

There is a public sewerage system for the town. The sewage gravitates to tanks at the sewage farm in the parish of Hallingbury (Dunmow Rural District), where it is screened and then pumped on to the high level. After chlorination it is treated by broad irrigation, with final treatment through longitudinal gravel filters before the effluent passes into the River Stort. There are a number of cesspools and pail closets on the outskirts.

Public Cleansing.

Household and trade refuse is collected by motor lorry and in horse-drawn covered dust carts, and disposed of by controlled tipping on land adjoining the Castle grounds.

Swimming Bath.

The public open-air swimming bath adjoins the Council House. Purification is effected by filtration (8-hourly turnover) and the administration of chlorine and ammonia to the water.

Eradication of Bed Bugs.

Two premises were disinfested; one was treated with Zaldecide and the other with a Sanitas Formigator—both apparently successfully.

Schools.

All the public elementary schools, with the exception of Thorley, have main water and drainage.

The drainage system at the Hockerill Practising School was found to be defective, and has been remedied.

The drainage system at Thorley C.C. School was found to be unsatisfactory, and the well polluted. The drainage system has been reconstructed and the well sealed. Water is being carted, pending the extension of the water main.

Housing.

Demolitions.

9, 11, 21, Basbow Lane.	4, King Street.
1, Dane Street.	2, 4, Castle Street.
36, 38, Windhill Lane.	*1, 2, Cricket Field Lane.
19, 21, 23, New Path.	*30, 32, 34, 36, 38, & 40,
14, 16, 18, & 20, Tuckers Row.	Rye Street.

*purchased by the Council before demolition.

The following houses were re-conditioned by the owners after acceptance by the Council of undertakings to render them fit for human habitation.

11, Church Street,	1, 2, 3, 4, Grove Place.
24, Jervis Road.	13, Hockerill Street.
31, Stanstead Road.	2 cottages, Start Hill.

Demolition Orders Served during 1937.

20, Chapel Row.	4, Castle Street
6, & 8, New Path.	28, 30, 32, 34, & 36,
19, 21, 23, New Path.	Hockerill Street.
105, London Road.	1, Dane Street.
16, 18, & 20, Tuckers Row.	14, Bells Hill.
2, King Street.	1, & 2, Thorley Houses.
4, King Street.	1, Castle Street.
36, & 38, Windhill.	3, Castle Street.
5, Basbow Lane.	25, New Path.
7, Basbow Lane.	27, New Path.
6, Bells Hill.	"At Thorley Houses
2, Castle Street.	(unoccupied)."
126, South Street.	"At Thorley Houses."
1, Castle Street.	

Re-housing.

The following 72 houses will be built on the Hallingbury Road site to re-house tenants displaced from houses subject to demolition orders and to abate overcrowding in the district:—

9 pairs 4 bedroom houses—Parlour.
9 „ large 3 bedroom houses—Non-parlour.
6 „ small 3 bedroom houses—Non-parlour.
12 „ 2 bedroom houses—Non-parlour.

Council Houses.

Site.	No. of Houses.	Act.	Parlour or Non-parlour.	No. of bedrooms	Rent (inclusive of rates).
Thorley ...	2	1919	parlour	3	11/2
London Road	10	"	"	3	13/2
Dunmow Road	22	1924	"	3	12/4
Council Road	28	"	Non-parlour	3	9/2
Urban Road ...	24	"	"	3	9/2
Scott Road ...	28	"	"	2	6/11
West Road ...	18	"	"	3	8/8
Scott Road ...	28	1930	Non-parlour	20—3	6/4
				8—4	7/5
Burley Road...	38	"	"	18—2	5/10
				14—3	6/4
				6—4	7/5
Urban Road ...	12	"	"	8—2	5/10
				4—3	6/4
London Road	18	"	"	8—2	5/10
				6—3	6/4
				4—4	7/5

*Inspection and Supervision of Food.**(a) Milk Supply, Dairies, Cowsheds and Milkshops.*

There are seven cowsheds on the register, housing approximately 134 dairy cows.

Periodical inspections have been made of these premises to ensure compliance with the Acts and Regulations, and generally speaking, they have been kept in a satisfactory condition.

Bacteriological Examination of Milk.

The following samples of ordinary milk retailed in the town were analysed :—

Place of Production.	Bacterial Count per ml.	Bacillus Coli.	Tubercle Bacillus.
1. Braughing (R.D.)...	—	Absent in 1/1000 c.c.	Present.
2. Essex ...	11,000	" , 1/1000 c.c.	Absent.
3. Essex ...	13,000	" , 1/10 c.c.	"
4. Braughing...	29,000	" , 1/10 c.c.	"

(b) Meat and Other Foods.

There are four private slaughter-houses in the district, two registered situate in South Street, one licenced in Stansted Road, and one in Castle Street. This is one less than last year. Frequent inspections of the slaughter-houses have been made, and the requirements of the byelaws with the respect to the cleansing of the premises, removal of offal, etc., have been satisfactorily carried out.

Carcases Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)	189		32	897	452
Number inspected ...	189		32	897	452
All diseases except T.B. Whole carcases condemned				2	
Carcases of which some part or organ was condemned	14			4	2
Percentage of the num- ber inspected affected with disease other than Tuberculosis	7.4				
Tuberculosis only— Whole carcases condemned					
Carcases of which some part or organ was condemned					
Percentage of the num- ber inspected affected with Tuberculosis ...					

The following were found to be unfit for human food and destroyed :—

2 carcasses of mutton ; 14 bullocks livers ; 4 sheep's plucks ;
2 pigs plucks ; 12 lbs. of sausage ; 2 cwts. $6\frac{1}{2}$ stone of ham ;
6 lbs. of chicken ; 6 lbs. of brawn ; 20 rabbits ; 3 stone of fish.

Prevalance of Infectious Disease.

Scarlet Fever was again prevalent after 2 years comparative immunity ; cases occurred in the following months :

January 0, February 0, March 1, April 8, May 7, June 5, July 1, August 2, September 2, October 2, November 2, December 2.

Among the school children affected :—

9 attended Northgate.

6 „ St. Michael's.

4 „ Hockerill Practising.

1 „ Herts and Essex.

Diphtheria. Both cases occurred at Thorley.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	2	...	...	...	...	...	2	...	...	...	...	...	...	2	...	...	...
Scarlet Fever ...	32	...	1	1	2	3	20	2	...	1	2	...	...	27	...	5	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
Pneumonia ...	13	3	1	...	...	...	1	...	...	1	1	2	...	4	...	...	6
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	4	...	...	1	...	...	1	...	...	...	...	2	...	...	...	...	...
Other Tuberculosis ...	2	...	...	...	1	1	...	...	...	...	...	...	...	1	...	...	...

Ware Urban District.

Water.

The supply, which is publicly owned, has always been satisfactory in quality and quantity. There are two deep wells sunk in the chalk:—

1. Upper Waterworks (136 ft.) at Musley.
2. Lower Waterworks (101 ft.) at Musley Lane.

Storage is provided for by means of a Water Tower of 200,000 gallons, and a Reservoir of 240,000 gallons capacity. Considerable improvements have been made in recent years by the division of the Town into High and Low Level Zones.

Drainage and Sewerage.

Practically the whole district is sewered. The sewage gravitates to the pumping station at Stanstead Abbots, in the Ware Rural District. This has been reconstructed and new centrifugal pumps, in duplicate, each of a capacity of 1,000 gallons per minute are installed.

From here it is lifted to the Sewage Farm near Rye House (131 acres) and distributed by broad irrigation.

Public Cleansing.

Refuse is collected weekly in two covered mechanical conveyances and is disposed of by controlled tipping; land in the valley between the Railway and the River is being lifted 5 ft. by this means.

There are 30 houses with cesspools and these are emptied free by the Council.

There are still 25 houses with pail closets and one with a chemical closet, and these are also emptied weekly by the Council.

Smoke Abatement.

Two offences were reported during the year. In one instance unsuitable fuel was the cause, and in the other case, one boiler being out of commission, and pressure having dropped, the boilers were forced.

Swimming Baths and Pools.

(a) The public open-air swimming bath in the Priory grounds is supplied from the town mains. Purification is effected by filtration, chlorination and aeration. Complete circulation of the water is effected—the turnover occupying 4 hours. (b) There is also an open-air swimming pool at a road house in the district. Water is obtained from the town mains and after circulation is filtered and chlorinated before re-entry.

Eradication of bed bugs.

- | | |
|---|----|
| (1) Number of (a) Council houses found to be infested | |
| and disinfested - - - | 2 |
| (b) Other houses found to be infested - | 34 |
| „ „ disinfested - - | 20 |
- (2) A contact spray and sulphur are used for freeing infested houses from bed bugs.
- (3) Hydrogen Cyanide is the method employed for ensuring that the belongings of tenants are free from vermin before removal to Council houses. 36 loads of bedding were disinfested by steam at Western House.
- (4) The treatment of furniture with HCN is carried out by contractors in their own vans. The disinfestation of houses is done by the Council's own workmen.

Schools.

All three public elementary schools are on the main water supply and connected to the sewer. Trough closets are still in use.

Housing Act, 1936 (Sections 11 and 13).

During the year the Council considered making Demolition Orders in respect of 16 dwelling-houses with the following results:—

- | | |
|---|-----|
| (1) Demolition Orders made - - - - | 9 |
| (2) Undertakings not to re-let accepted by the Council - | 2 |
| (3) Undertakings to make fit accepted by the Council - | Nil |
| (4) Houses purchased by Herts County Council for road widening purposes - - - - | 5 |

(Two of these houses were definitely unfit for human habitation, and three were not in all respects reasonable fit for human habitation. These houses were not included in any of the above figures but were among the 11 houses shown on the last annual report as deferred cases.

Houses in respect of which demolition orders were made :—

27, Priory Street.	Overcrowded.	5-bedroomed house in course of erection.
28, Priory Street.	Overcrowded.	4-bedroomed house in course of erection.
31, Priory Street.	Occupied by 1 aged person.	Bungalow for aged person required.
32, Priory Street.	Occupied by 2 aged persons.	Bungalow for aged person required.
33, Priory Street.	Occupied by 3 persons.	3-bedroomed house required.
34, Priory Street.	Vacant.	
53, Crib Street.	Vacant.	
55, Crib Street.	Occupied by 2 persons.	2-bedroomed house required.
57, Crib Street.	Occupied by 2 aged persons.	Bungalow for aged person required.

Inspection and Supervision of Food.

(a) Milk Supply.

Improved lighting and ventilation to one cowshed where "Accredited" milk is produced has been provided.

Close supervision in regard to the production, handling and storage of milk is exercised, and the producers are constantly reminded of the most important provisions of the Order.

Two contraventions of Article 31 (2) were detected during the year, and a circular was sent out to all retailers warning them that filling bottles with milk, except on registered premises, will not be tolerated, and that further offences will result in legal proceedings being taken by the Council.

Three warning letters have been sent to retailers in regard to Article 33, which provides that no article likely to contaminate milk shall be conveyed in a vehicle at the same time as milk.

Bacteriological Examinations.

<i>No. of Sample.</i>	<i>Designation.</i>	<i>Bacteria per c.c.</i>	<i>B. Coli absent in c.c.</i>	<i>Methylene Blue test.</i>	<i>Biological test for Tubercle Bacillus.</i>	<i>Report.</i>
56	C. Pasteurised	800	—	—	—	Satisfactory
57	A. Pasteurised	7,000	—	—	—	„
58	Ordinary	25,000	Absent	—	—	„
59	Ordinary	9,260	Present in 1/10 c.c.	Satisfied	Negative	„
60	E. Ordinary	1,430,000	Present	Decolourised 1½ hours	Negative	Unsatisfactory
61	D. Ordinary	1,655,000	Present	Decolourised 1½ hours	Negative	Unsatisfactory
62	Ordinary	46,660	Present in 1/10 c.c.	Satisfied	Negative	Satisfactory
63	Accredited	—	Absent	Satisfied	—	„
64	Ordinary	—	Absent	Satisfied	—	„
65	Ordinary	—	Absent	Satisfied	Negative	„
66	Ordinary	—	Absent	Satisfied	—	„
67	A. Pasteurised	40,000	Absent	—	—	„
68	C. Pasteurised	10,200	Absent	—	—	„
69	D. Ordinary	14,000	Absent	—	—	„
70	B. Ordinary	133,000	Absent	—	—	„
71	E. Ordinary	84,000	Absent	—	—	„
72	B. Ordinary	29,000	Absent	—	—	„
73	Ordinary	18,000	Absent	—	Negative	„
74	Ordinary	14,200	Present in 1/10 c.c.	—	Negative	„

NOTE.—Out of 17 samples, only two failed to conform with Grade “A” standard, and these producers complied on a second sample being taken. The letters A., B., C., D., E., indicate that a second sample has been taken at the same premises, and comparisons can be accordingly made between the first and second samples.

The 4 samples of Pasteurised Milk satisfied the Phosphatase test, showing that they had been efficiently pasteurised.

*(b) Meat & Other Foods.**Public Health Act, 1875.**Public Health (Meat) Regulations, 1924.*

Two contraventions of Article 9 of the Regulations were reported upon the failure to notify the existence of disease in

animals slaughtered in the district, and in the case of one butcher, diseased meat was on two occasions found in his shop. Warning letters were sent in all four instances. Both contraventions of Article 9 of the Meat Regulations were serious, as in both instances the diseased parts were in an extremely abnormal condition, and had been cut out and placed in a heap of waste offals. A demonstration was given at a slaughterhouse in the district, which was attended by the majority of butchers, with a view to preventing diseased meat being removed from a slaughterhouse to a shop when no official inspection had been made at the place of slaughter. However, the most serious offence was committed after the demonstration.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)					
Number inspected ...	91		3	206	184
All diseases except T.B. Whole carcasses condemned					
Carcases of which some part or organ was condemned	12			7	
Per cent. of number ...	13'18			3'4	
T.B. only					
Whole carcasses condemned					
Carcases of which some part or organ was condemned	23				22
Percentage	25'27				11'9

		Heads	Lungs	Liver	Mesentery	General
<i>Slaughterhouse.</i>						
Bovine Tubercle	...	9	17	5	12	{ 1 spleen 4 stomachs 1 omentum 1 intestines 2 rumps 2 thick flanks
Bovine other conditions				11		{ 1 thin skirt 1 septic udder
<i>Shops.</i>						
Bovine Tubercle	...	1	1			
Bovine other conditions				1		
		10	18	17	12	as above
<i>Slaughterhouse.</i>						
Porcine Tubercle	...	11	2 (miliary)		18	{ 1 collar 1 spleen (miliary)
Porcine other conditions			2			1 pancreas (abscess)
<i>Shops.</i>						
Porcine Tubercle	...	5	2	1	6	1 collar
Porcine other conditions			1	1		
		16	5	4	24	as above
<i>Slaughterhouse.</i>						
Ovine. Strongylosis and abscess	... ..			7		
<i>Shops.</i>						
Ovine other conditions...		—	—	—	—	2 breasts Mutton
		--	—	7	—	as above

Canal Boats.

(1) Total number of Canal Boats inspected	...	...	10
(2) Defects dealt with during the year	...	...	1
(3) <i>Proceedings during the year.</i>			
(a) New boats registered	...	...	Nil
(b) Legal Proceedings	...	...	Nil
(c) Infectious Disease	...	...	Nil
(d) Boats detained for cleansing and disinfection			Nil
(4) <i>Statistics from Register of Canal Boats.</i>			
(a) Number of boats registered since 1888	...		75
(b) Number of boats on register, 31st Dec., 1937			57
(c) Estimated number of boats now in use	...		9

There is a very little sleeping on the boats, and the registration covers one or two persons per boat.

In addition to the registered boats, there are some boats in use which are not used for sleeping purposes, and are accordingly unregistered.

*Council Houses.**Workmen's Housing Association Cottages.*

Situation.	Type.	Rent.	Rates.
Watton Road and Canons Road.	3 Bedroom Non-parlour.	6/3	3/5
Watton Road and Canons Road.	3 Bedroom Parlour.	8/9	3/10
Tower Road.	3 Bedroom Non-parlour.	6/3	3/5
1-17, Fanhams Road.	3 Bedroom	5/2	3/5
1-51, 2-30, Cundalls Rd.	Non-parlour.		
1-17, Fanhams Road.	4 Bedroom	5/2	3/7
1-51, 2-30, Cundalls Rd.	Non-parlour.		
36-50, 53-87, Cundalls Rd.	3 Bedroom	5/3 — 4/3	3/2 differentiated.
19-37, 2-12, Fanhams Rd.	Non-parlour.		
36-50, 53-87, Cundalls Rd.	4 Bedroom	5/3 — 4/3	3/5 „
19-37, 2-12, Fanhams Rd.	Non-parlour.		

Council Cottages.

Situation.	Type.	Rent.	Rates.
Croft Road and Watton Road.	3 Bedroom Parlour.	10/-	3/10
Princes Street.	3 Bedroom Parlour.	8/6	3/7
Musley Hill.	3 Bedroom Parlour.	8/9	3/10
Tower Road.	3 Bedroom Non-parlour.	6/3	3/7
Bowling Road	Bungalow 1 Bedroom.	5/- — 2/-	1/11 differentiated.
Fanhams Road and Cundalls Road.	3 & 4 Bedroom Non-parlour.	7/3 — 3/6	2/7 „
Clements Street.	3 & 4 Bedroom Non-Parlour.	6/9 — 3/-	2/7 „
King George Road.	3 Bedroom Non-parlour.	8/4 — 1/11	2/7 „
King George Road.	4 Bedroom Non-parlour.	8/4 — 6/6	2/11 „

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in Sanatorium	Nursed at Home	Died
Small-pox ...	0	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Diphtheria ...	2	...	...	...	...	...	...	1	1	...	...	...	...	2	...	...	0
Scarlet Fever ...	16	...	1	...	1	...	8	3	1	2	...	...	...	16	...	...	0
Enteric Fever ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	0
Pneumonia ...	10	1	...	1	...	...	...	...	1	1	...	4	2	7	...	...	8
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	8	...	...	...	...	...	...	...	...	3	2	2	1	7	...	...	3
Other Tuberculosis ...	3	1	...	...	...	...	2	...	...	...	...	...	...	3	...	...	0

Sawbridgeworth Urban District.

Water.

The town is adequately supplied by the Herts and Essex Waterworks situated in Redrick Lane. The hamlet of Spellbrook depends on a spring; the water is hand pumped from a collecting chamber in Spellbrook Lane.

Drainage and Sewerage.

The district is well sewered with the exception of Spellbrook. The sewage gravitates to the farm, situated in the south east. After screening, it passes through a settling tank and a dosing chamber on its way to the contact beds. The effluent enters a small stream which discharges into the River Stort. A new sewer has been constructed in Cambridge Road to replace an old defective brick sewer.

Public Cleansing.

House refuse is collected weekly in a horse-drawn covered dust cart, and disposed of by controlled tipping near the sewage disposal works.

Housing Act, 1936.

No. 10, Church Street has been demolished.

Meat and Food Inspection.

The following carcasses were inspected:—

Bovines	—	—	8
Sheep and Lambs	—	—	81
Pigs	—	—	42

No meat was found to be unfit for human consumption.

4lbs. of tomatoes were seized and destroyed.

Council Houses.

Site.	Type of house.	Number of houses.	Rent.
West Road	B.4	16	12/3 (exclusive of rates)
	Parlour		
West Road	A.3	16	7/3 (inclusive of rates)
	Non-parlour		
Bull Fields	A.3	19	9/- „ „
	Non-parlour		
Cambridge Road	A.3	10	9/- „ „
	Non-parlour		
West Road	A.3	20	7/3 „ „
	Non-parlour		
		<u>81</u>	

Ware Rural District.

Water.

Work in connection with the scheme for supplying Hunsdon, The Mundens, Standon, Stanstead Abbots, Thundridge, Wareside and Widford is proceeding satisfactorily: the pumping station at Puckeridge has been completed, the Water Tower at Old Hall Green is nearing completion and cast iron supply mains are being laid.

Drainage and Sewerage.

Comprehensive schemes for the parishes of Great Amwell, Standon, St. Margarets and Thundridge are under construction. New sewers have been laid in Great Amwell and St. Margarets, draining to the pumping station recently erected near the Gas Works in the former parish. The Stanstead Abbots pumping station has been remodelled and the flow from the two stations will be pumped through cast iron pumping mains to the Ware U.D.C. station at Stanstead Abbots from which the sewage will be lifted to the Ware Urban District Council's sewage farm at Rye Meads for disposal.

High Cross and Wadesmill are being drained to the new pumping station in the latter village from which the sewage will be raised into the head of a gravitating sewer which has been laid from the Sow and Pigs Inn, Thundridge, to join the Ware U.D. sewer at the north end of the town of Ware.

Standon and Puckeridge will be drained to a pumping station at Standon, from which the sewage will be raised to the disposal works which have been constructed south of the village. At the disposal works the sewage will be treated in sedimentation tanks followed by percolating filters and the effluent will be disposed of on an area of land set apart for the purpose.

The parishes of Eastwick, Gilston and The Mundens have no systems of sewerage or sewage disposal and in each case the houses are too scattered to need it.

The consideration of schemes for the parishes of Hunsdon, Widford and Ware Rural has been deferred for one year.

Part of the village of Hertford Heath is in Great Amwell parish and is sewered to disposal works in Hertford Rural District. This small drainage scheme is controlled by the Great and Little Amwell Sewage Farm Committee.

Public Cleansing.

Cesspools are emptied free on request. Pails are emptied twice weekly from Eastwick, Gilston, Hunsdon, The Mundens, Standon, Thundridge, Wareside and Widford. House refuse is collected weekly in a covered conveyance and disposed of by tipping at Standon and St. Margarets.

Eradication of bed bugs.

Three private houses have been disinfested effectively by spraying with an insecticide (Pyagra) under the supervision of the Council's employees.

Housing.

Housing Act, 1936.

Demolition Orders were made in respect of 2 cottages at Haultwick and 1 at Thundridge.

One cottage at Babbs Green (Ware Rural) was demolished.

Rehousing Programme.

The following houses are now being erected :—

Eastwick	4	Great Munden	4	Standon	10
High Cross	14	Little Munden	4	Thundridge	18
Hunsdon	8	Ware Rural	4		

Inspection and supervision of Food.

One butcher was prosecuted for failure to notify the existence of disease in an animal slaughtered on his premises and intended for human consumption (Meat regulations, 1924) and also for contravening the Slaughter of Animals Act, 1933, by not using the humane killer. He was fined 10/- for the latter offence, the other charge being dismissed.

Meat Inspection.
Carcases Inspected and Condemned.

	Cattle		Calves	Sheep and Lambs	Pigs
Number killed (if known)	316			572	814
Number inspected ...	247			418	534
All diseases except T.B. Whole carcases condemned					
Carcases of which some part or organ was condemned	5				7
Percentage of the num- ber inspected affected with disease other than Tuberculosis	2'0			0'0	1'3
T.B. only— Whole carcases condemned	1				3
Carcases of which some part or organ was condemned					11
Percentage of the num- ber inspected affected with Tuberculosis ...	0'4			0'0	2'6

Council Houses.

GREAT AMWELL.

Parish.	Housing Act	No.	Type.	Accommoda- tion.	Rent (inclusive of rates)
Pepper Hill ...	1919	12	Parlour	3 Bedrooms	13/11

ST. MARGARETS.

Windsor Cottages...	1919	8	„	3 „	13/7
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STANSTEAD ABBOTTS.

Thele Estate ...	1924	30	Non-Parlour	3 „	8/6
	1919	10	Parlour	3 „	13/8
Hunsdon Road ...	1924	12	„	3 „	11/-
Cappell Lane ...	1924	12	Non-Parlour		11/-

HUNSDON.

Springfield Cottages	1919	10	Parlour	3 „	8/11
	1924	8	Non-Parlour	3 „	7/-
Rise Cottages ...	1924	8	Non-Parlour	3 „	7/-

WARE RURAL.

Wareside.

Hillside Cottages ...	1919	12	Parlour	3 „	9/5
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Babbs Green.

Coanwood Cottages	1924	12	Non-Parlour	3 „	6/7
	1924	16	„	3 „	6/7

THUNDRIDGE.

Meadow View Cotts.	1919	8	Parlour	3 „	7/11
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STANDON.

Wadesmill.

Anchor Cottages ...	1924	12	Non-Parlour	3 „	6/7
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Colliers End.

Wellington Cottages	1924	4	„		7/6
		10	„	3 „	8/11

High Cross.

Cambridge Rd. Ctts.	1924	10	Parlour	3 „	8/11
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Standon.

Station Rd. Crescent	1919	28	„	3 „	11/-
Southfield Cottages	1919	24	Non-Parlour	3 „	7/2

Broken Green.

Broken Green Cotts.	1924	8	„	3 „	6/1
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GREAT MUNDEN.

Nasty.

Vale Cottages	...	1924	10	„	3	„	5/-
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Great Munden.

Edward Cottages	...	1919	6	Parlour	3	„	7/9
		1924	6	„	3	„	8/-

LITTLE MUNDEN.

Haultwick.

Wentworth Cott'ges	1924	8	Non-Parlour	3	„	6/6
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Dane End.

Paget Cottages	...	1919	6	Parlour	3	„	8/4
		1924	10	Non-Parlour	3	„	5/-

Prevalence and Control of Infectious Diseases.

Scarlet Fever.

	January	February	March	April	May	June	July	August	September	October	November	December
Stanstead Abbots	-							1	2		1	1
Standon - - -	-				1	1		1				
Thundridge - - -	-								1			
Ware Rural - - -	-							1				
Great Amwell - - -	-	1						1			1	

Diphtheria Immunisation.

This is still being carried out at the schools by Dr. Alan Wigfield and myself.

The number of children immunised at the various schools is as follows:—

	1935.	1936.	1937.
Eastwick - - - - -	22	—	2
Gilston - - - - -	14	—	2
Great Amwell - - - - -	27	3	3
Great Munden - - - - -	12	5	—
Hertford Heath - - - - -	3	—	—
High Cross - - - - -	11	7	3
Hunsdon - - - - -	9	—	1
Little Munden - - - - -	39	8	8
Puckeridge (C.E.) - - - - -	28	14	4
„ (R.C.) - - - - -	32	4	4
Standon - - - - -	64	10	13
Stanstead Abbots - - - - -	20	17	5
Thundridge - - - - -	23	5	6
Wareside - - - - -	18	1	—
Widford - - - - -	21	2	1
Other - - - - -	10	2	3

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in Sanatorium	Nursed at Home	Died
Small-pox ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	13	...	...	...	2	...	4	3	2	1	...	1	...	11	1	...	0
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	2	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	0
Pneumonia ...	8	...	...	...	...	...	...	...	...	...	1	5	2	4	...	...	7
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	1	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1
Pulmonary Tuberculosis ...	2	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	0
Other Tuberculosis ...	3	...	...	...	...	...	1	...	...	2	...	...	...	1	...	...	0

Braughing Rural District.

Water.

A scheme for an improved supply for the parishes of Albury, Braughing, High Wych and the Hadhams was approved by the Ministry of Health after a Public Inquiry had been held at the Public Hall, Much Hadham, on January 27th, 1937.

A supply for the parish of Wyddial is under consideration: the water would be pumped by electric motor from a bore 200 ft. deep into an overhead reservoir from which it would be distributed throughout the village by 3 in. cast-iron mains.

Drainage and Sewerage.

Buntingford sewers drain by gravitation through a 15 in. outfall (relaid during the year to replace the 9 in. pipe, which was proving inadequate owing to the increased volume of sewage with consequent flooding) to sewage disposal works situated at the south end of the parish near Aspenden Bridge, where the sewage is dealt with by broad irrigation.

Cottered now has a system of sewerage and sewage disposal, constructed during the year. The sewage flows by gravitation to sedimentation tanks and disposed of by broad irrigation at a site a little to the north of the village.

Much Hadham town is drained by a 12 in. outfall sewer to disposal works situated alongside the river at the south end of the parish, and dealt with satisfactorily by broad irrigation.

High Wych village has sewers which drain to a small but adequate disposal works consisting of a sprinkler and bacteria beds with final treatment on land.

Braughing village has a short length of sewer running from the Axe and Compass Inn to Hill Green, where there is a small broad irrigation area for the disposal of slop water.

Buckland parish has no proper system of sewerage or sewage disposal, though a few houses in the village of Chipping are drained to a small tank on the west side of the road. The present method of sewage disposal by means of soakaways into the chalk is most unsatisfactory, in view of the fact that the new pumping station which will shortly supply the surrounding neighbourhood with drinking water is situated in this parish. A sanitary method of sewage disposal here is of vital importance.

The parishes of Albury, Anstey, Ardeley, Broadfield, Little Hormead, Meesden, the Pelhams, Throcking and Wyddial have no system of sewerage and sewage disposal and in each case the houses are too scattered to need it.

The parishes of Aspenden, Great Hormead, Little Hadham, Thorley and Westmill are, at present, without sewerage systems, but increasing developments will necessitate them especially when the new piped water supply is available

Council Houses.

	Parlour and 3 Bedrooms	Non- Parlour & 3 Bedrooms	Non- Parlour & 2 Bedrooms	Non- Parlour & 4 Bedrooms
Albury - - - -	10	2	2	2
Anstey - - - -	6	—	—	—
Allens Green - - -	2	2	—	—
Braughing - - - -	8	12	2	2
Buntingford, Sunny Hill -	24	20	—	—
„ Baldock Road -	—	18	—	—
Aspenden - - - -	—	4	4	—
Buckland - - - -	4	12	—	—
Cottered - - - -	18	24	—	—
Chipping - - - -	6	—	—	—
Hare Street - - - -	—	18	—	—
Great Hormead - - -	—	12	—	—
Little Hormead - - -	6	—	—	—
Meesden - - - -	6	4	—	—
Much Hadham, Oudle Lane -	—	10	—	—
„ Widford Road -	—	10	—	—
„ Perry Green -	8	—	—	—
„ Green Tye -	—	6	—	2
Brent Pelham - - -	2	—	—	—
Furneaux Pelham - - -	—	6	1	1
Stocking Pelham - - -	4	—	—	—
Thorley - - - -	2	2	—	—
Westmill - - - -	6	—	—	—
Yardley - - - -	6	8	—	—
Little Hadham - - -	4	4	—	—
High Wych - - - -	6	8	2	2
	132	182	11	9

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School San- atorium	Nursed at Home	Died
Small-pox ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	3	...	...	...	...	...	...	1	...	1	1	...	...	1	...	2	0
Scarlet Fever ...	3	...	...	...	...	1	2	...	...	...	...	...	...	3	...	...	0
Enteric Fever ...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	8	1	1	...	...	...	...	...	...	...	...	3	2	2	...	...	2
Ophthalmia Neonatorum ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Polio-myelitis ...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	0
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculosis ...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	0

Hertford Rural District.

Water.

A piped supply serves the parishes of Aston, Benington, Walkern, Watton, Stapleford, Sacombe, and part of Bengoe Rural. The water is obtained from two boreholes, 312 feet in the chalk, at the Aston Pumping Station, and distributed from water towers at Benington and Aston.

Two new 310 feet deep 14in. boreholes have been sunk at Little Berkhamstead, to take the place of the old 25 feet deep well at Bayford. The boreholes, as well as supplying the old Bayford tower at Penny Royal, will supply towers which have been acquired at Letty Green (Hertingfordbury) and Epping Green (Little Berkhamstead). The necessary mains laying to enable this has been carried out, and mains have also been extended to Cole Green, Birch Green, East End Green, Staines Green, and Pipers End (Hertingfordbury Parish).

The parishes of Tewin, Datchworth and Bramfield are supplied from the Welwyn R.D.C. reservoir at Burnham Green, the water being obtained in bulk from the Welwyn Garden City Waterworks.

Waterford village is supplied from a shallow brick well (11 feet) situated between two courses of the River Beane, and the water is pumped by a water wheel actuated by the river.

The Metropolitan Water Board serves Hertford Heath (Little Amwell).

Drainage and Sewerage.

A comprehensive survey of existing schemes has been made by Messrs. D. Balfour & Sons, in accordance with instructions received from the Rural Sewerage Schemes Committee of the County Council. Certain new schemes have been formulated, as well as suggestions made for the improvement of existing arrangements, and are now under consideration.

ASTON. The northern portion of the village is drained by a 9in. outfall, gravitating to sewage disposal works situated in the valley east of Aston Dene. The south-western portion of the village is drained to a pumping station near Stringer's Lane, from which the sewage is raised through a cast iron pumping main into the head of the gravitating outfall. At the disposal works the sewage is passed through sedimentation tanks, the effluent from which is irrigated on land.

BENGEO RURAL. The village of Waterford is sewered to a small pumping station, from which the sewage is raised and disposed of on an area of land. Tonwell drains to a small irrigation area to the south of the village.

BENINGTON. A portion of the village is drained by gravitation to a small irrigation area west of Garrat's Farm.

HERTINGFORDBURY. There is a small scheme at Birch Green, the sewage being dealt with by broad irrigation on an area of land.

LITTLE AMWELL. There is a joint scheme in conjunction with the Ware R.D.C. for Hertford Heath, which is sewered to disposal works (open tanks, filters and broad irrigation) south-west of the village.

LITTLE BERKHAMSTEAD is drained by an outfall sewer running from the school northwards up the road and down Breach Lane to the disposal works at the north end of the lane. The sewage passes through screening tanks into two sedimentation tanks with a total capacity of 7,500 gallons. The tank effluent is distributed to a percolating filter with a capacity of 230 cubic yards and finally distributed over the land.

TEWIN. A portion of the village is sewered to an irrigation area south of the Rectory. The Tewin Wood Estate where considerable development is taking place is unsewered, each house having its own cesspool.

WALKERN. There is no proper system of sewers in the village, most of the houses having cesspools or pail closets. At the southern end of the village slop water is discharged to an old drain (which also takes the discharge from premises where cider is manufactured) running southwards down the road to near Walkern Mill, and thence through the fields to the existing sewage disposal works south-west of Walkern Croft. At the disposal works the sewage passes through a small catch pit and thereafter is dealt with on the land by broad irrigation. An additional area of land has recently been brought into use to abate the nuisance caused by over loading of the original area.

WATTON. The sewage from that portion of the village north of the Bull Inn is drained by gravitation to the site south of the Corn Mill, where it is dealt with on land by broad irrigation. The southern portion of the village gravitates southwards down the main road to a cesspool near the War Memorial, the overflow discharging on to land on the east side of the road.

The parishes of BAYFORD, BRAMFIELD, BRICKENDON LIBERTY, SACOMBE and STAPLEFORD have no systems of sewerage and sewage disposal and in each case the houses are to scattered to need it.

DATCHWORTH is another parish at present without any sewerage system, but requiring one on account of the development taking place.

Public Cleansing.

Cesspools are emptied on request free twice a year.

House refuse is scavenged from Little Amwell by arrangement with the Ware R.D.C. Tins only are collected in the other parishes, except Sacombe and Brickendon where no collection is made.

Eradication of Bed Bugs.

Number of Council houses found to be infested	...	0
" " other " " " " "	...	2

The infested premises were sprayed with "Lawvercide" supplied by the Council.

Schools.

Water closets have been substituted for pails and lavatory basins, provided at Datchworth C. of E. School. Water supplies from the Council's mains have been laid on to the Hertingfordbury C. of E. and Walkern C.C. Schools.

Housing.

Demolitions.

Little Amwell Clearance Area.—Woodland Terrace, Hertford Heath: 8 cottages.

Individual dwellinghouses.—Goat Row, Hertford Heath: 3 cottages. Datchworth Green: 1 cottage. Tewin: 1 cottage (voluntarily).

Building Programme.

Aston	-	-	-	4	Datchworth	-	-	16
Bayford	-	-	-	2	Hertingfordbury	-	-	4
Benington	-	-	-	9	Little Berkhamstead	-	-	3
Bengeo Rural	-	-	-	4	Tewin	-	-	4
Bramfield	-	-	-	4	Walkern	-	-	4
Brickendon	-	-	-	4	Watton	-	-	8

Council Houses.

<i>Parish.</i>	<i>No.</i>	<i>Parlour.</i>	<i>Non-Parlour.</i>	<i>Rents.</i>
Aston	9	5	4	1 at 10/9 4 „ 6/5 4 „ 5/-
Bayford	6	6		6/11
Bengeo Rural	14	6	8	6 „ 6/2 4 „ 6/5 4 „ 5/-

<i>Parish.</i>	<i>No.</i>	<i>Parlour.</i>	<i>Non-Parlour.</i>	<i>Rents.</i>
Benington - - -	12	2	10	1 „ 11/6 1 „ 10/- 7 „ 6/- 1 „ 7/2 2 „ 5/3 6/5
Bramfield - - -	6	6		
Datchworth - - -	26	6	20	1 „ 11/6 25 „ 7/2
Hertingfordbury - -	14	6	8	6 „ 6/5 8 „ 6/8
Little Amwell - - -	41	7	34	7 „ 6/11 34 „ 7/2
Little Berkhamstead -	12	6	6	5 „ 7/2 2 „ 6/11 5 „ 5/-
Sacombe - - -	4		4	6/5
Stapleford - - -	8	8		1 „ 10/9 7 „ 6/5
Tewin - - -	22	6	16	6 „ 6/11 12 „ 7/2 4 „ 5/-
Watton-at-Stone - -	16	8	8	8 „ 6/5 8 „ 6/8
Walkern - - -	18	6	12	6 „ 6/5 12 „ 6/8
	<u>208</u>	<u>78</u>	<u>130</u>	

These figures are exclusive of rates.

Prevalence of Scarlet Fever.

	January	February	March	April	May	June	July	August	September	October	November	December
*Aston - - -					1	4						
*Bayford - - -								2	1		1	
†Datchworth - - -									2	3		
‡Hertingfordbury	1	1	1				1					
Little Amwell - -									1			
Tewin - - -		1										

*4 cases occurred in 1 family.

†2 cases occurred in 1 family and 3 in another.

‡4 cases occurred at Hertingfordbury C. of E. School.

HERTFORD (M.B.)—Swimming Pool.

Public Open Air Swimming Bath. Outlet End.

Number of Colonies per cubic centimetre or millilitre of water growing upon Agar at 20° C. in 3 days 	720
--	-----

Number of Colonies per cubic centimetre or
millilitre of water growing upon Agar at
37° C. :—

in 1 day 	80
in 2 days... 	90

Smallest quantity of water producing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37° C. 	10 c.c.
--	---------

Smallest quantity of water containing the Bacillus Coli. 	Present in 10 c.c. Absent in 1 c.c.
---	--

Smallest quantity of water giving the re- action of the B. Welchii (Bacillus Enteritidis Sporogenes) 	Present in 100 c.c. Absent in 10 c.c.
---	--

This sample contains an appreciable number of bacteria including excretal organisms, namely, B. coli and B. welchii, present in 10 c.c. and 100 c.c. respectively, indicative of slight pollution.

We do not consider the water to be of the standard of bacterial purity desirable in a public swimming bath.

WARE (U.D.)—Public Swimming Pool.

Number of colonies per cubic centimetre growing upon Agar at 20° C. in 3 days...	5
Number of colonies per cubic centimetre or millilitre of water growing upon Agar at 37° C. in 1 day	0
2 days	1
Smallest quantity of water producing acid and gas in Bile Salt Lactose Broth after 2 days incubation at 37° C.	Absent in 100 c.c.
Smallest quantity of water containing the Bacillus Coli	Absent in 100 c.c.
Smallest quantity of water giving the reaction of the B. Welchii	Absent in 100 c.c.

This is a clear and bright water of the highest degree of bacterial purity.

It is a clean water, suitable and safe for swimming bath purposes.

Appearance	...	...	High Level Supply February.	Low Level Supply February.	Low Level Supply March.	Low Level Supply April.	Low Level Supply May.	High Level Supply May.	Clear and Bright	Low Level Supply August.	High Level Supply November.	Low Level Supply November.
Colour	...	...	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Bright—few particles of mineral deposit	Bright—few particles of mineral deposit
Odour	...	...	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Reaction	...	...	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
Free Carbonic Acid	...	...	7.1	7.1	7.2	7.1	7.1	7.1	7.1	7.4	7.1	7.1
Electric Conductivity at 20° C.	...	...	2.4	2.4	2.2	—	—	—	—	—	—	—
Total Solids, 180° C.	...	...	510	495	475	500	490	520	500	520	520	520
Chlorine in Chlorides	...	...	34.0	33.0	31.5	33.0	32.5	34.5	33.5	34.5	34.5	34.5
Nitrogen in Nitrates	...	...	1.7	1.5	1.4	1.7	1.5	1.7	1.5	1.5	1.5	1.5
" Nitrates	...	...	0.24	0.28	0.42	0.28	0.30	0.32	0.32	0.12	0.12	0.20
Hardness : Permanent	...	...	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Temporary	...	...	6.5	6.0	5.0	5.0	5.0	4.5	5.5	6.0	6.0	6.0
Total	...	...	23.5	23.0	22.0	23.0	23.0	23.5	22.5	22.0	22.0	22.0
Metals	...	...	30.0	29.0	27.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
Free Ammonia	...	...	Absent	Absent	Iron 0.005	Iron 0.005	Absent	Absent	Absent	Iron 0.005	Iron 0.005	Iron 0.005
Albuminoid Ammonia	...	...	0.0000	0.0300	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Oxygen absorbed in 4 hours at 80° F.	...	...	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004

BACTERIOLOGICAL RESULTS.

No. of Bacteria per c.c.—	...	...	...	...	...	...	...	...	...	...	...	...
On Agar in 3 days at 20° C.	130	142	720	5	12	220	130	140	220	5	4	4
" 1 day at 37° C.	1	1	4	3	1	23	20	4	15	1	1	1
" 2 days at 37° C.	11	4	7	3	1	29	46	46	18	1	1	1
Smallest quantity of water producing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37° C.	...	...	...	...	...	...	...	...	...	...	...	...
Bacillus Coli	...	...	...	...	...	...	...	...	...	...	...	...
Bacillus Welchii	...	...	...	...	...	...	...	...	...	...	...	...
Report	...	...	...	...	...	...	...	...	...	...	...	...

* The water is of the highest degree of organic quality and shows no chemical evidence of undesirable contamination. Bacteriologically, it contains a considerable number of bacteria and excretal bacilli, such as the *Bacillus Coli*, though absent in 20 c.c. are present in 50 c.c., indicative of slight bacterial contamination. Whilst there is no reason to regard the water as unwholesome, a higher standard of bacterial purity is desirable.

HODDESDON (U.D.)—Water Analyses.

BRXBOURNE.

HODDESDON.

Waterworks.

(Main Supply).

CHEMICAL RESULTS IN PARTS PER 100,000.

Appearance	...	...	Clear and Bright
Colour	...	...	Normal
Odour	...	...	Nil
Reaction	...	...	Neutral: 7.2
Residue	...	...	2.2
Free Carbonic acid	...	...	510
Electric Conductivity	...	...	34.0
Total Solids	...	...	0.0000
Free Ammonia	...	...	0.0020
Albuminoid Ammonia	...	...	2.1
Chlorine in Chlorides	...	...	0.44
Nitrogen in Nitrates	...	...	Absent
Nitrites	...	...	0.025
Oxygen absorbed at—	...	...	Absent
80° C. in 15 mins.	...	...	6.0
80° F. in 4 hours	...	...	20.0
Metals	...	...	26.0
Hardness: Permanent...	...	...
Temporary	...	...
Total	...	...

BACTERIOLOGICAL RESULTS.

No. of Bacteria per c.c. or ml.—			
On Agar in 3 days at 20° C.	26	6	26
" " " room temp...			
" " " in 1 day at 37° C.	12	1	5
" " " in 2 days at 37° C.	16	2	5
Smallest quantity of water producing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37° C....			
The Bacillus Coli	Absent in 100 c.c.	Absent in 100 c.c.	50 c.c.
Bacillus Welchii...	Absent in 100 c.c.	Absent in 100 c.c.	Present in 100 c.c.
Report	Pure and wholesome, and suitable for drinking and domestic purposes.	Pure and wholesome and suitable for drinking and domestic purposes.	Absent in 50 c.c. Whilst the water is probably wholesome, it is not of its customary standard of bacterial purity.

Bishop's Stortford.

(Main Supply.)

Colour and odour	...	...	...	None.
Turbidity	...	...	...	None in 2 ft. tube.
Reaction	...	...	...	Alkaline.
Residue	...	...	...	White. No charring.
Chlorides	...	...	...	4 parts per 100,000.
Nitrates	...	...	...	0'4 „ „ „
Nitrites	...	...	...	None.
Free Ammonia	...	...	...	„
Metals	...	...	...	Iron present.
Hardness: Total	...	...	...	44.
Permanent	...	...	...	7.
Temporary	...	...	...	37.

Bacteriological Results.

No. of bacteria per c.c.—

On Agar in 3 days at 20° C.	...	120.
„ „ „ 2 „ „ 37° C.	...	1.
Bacillus Coli	...	Absent in 50 c.c.

Report: Pure and wholesome.

Ware (U.D.)

			February.	November.	November.
Number of colonies	Millilitre				
of water growing upon Agar					
at 20° C. in 3 days	... ..	36	3	13	
Number of colonies	Millilitre				
of water growing upon Agar					
at 37° C. in 1 day	... ..	1	1	1	
2 days	... ..	1	2	5	
Smallest quantity of water pro- ducing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37° C.	... ..	Absent in 100 c.c.	Absent in 100 c.c.	Absent in 100 c.c.	
Smallest quantity of water con- taining the Bacillus Coli	... ..	Absent in 100 c.c.	Absent in 100 c.c.	Absent in 100 c.c.	
Smallest quantity of water giv- ing the reaction of the B.					
Welchii	... ..	Absent in 100 c.c.	Absent in 100 c.c.	Absent in 100 c.c.	
Report	... ..	Pure and wholesome	Pure and wholesome	Pure and wholesome	

SAWBRIDGEWORTH (U.D.)

Spellbrook Pump.

Chemical Results in Parts per 100,000.

Appearance	Bright; slight deposit of mineral debris.
Colour... ..	Normal.
Odour	Nil.
Reaction pH	Neutral: 7.4.
Free Carbonic Acid	2.4.
Electric Conductivity at 20° C. ...	645.
Total Solids, 180° C.... ..	43.0.
Chlorine in Chlorides	1.5.
Nitrogen in Nitrates	Nil.
Nitrites	Absent.
Hardness: Permanent	9.5.
Temporary	27.5.
Total	37.0.
Metals	Iron: 0.050.
Free Ammonia	0.0000.
Albuminoid Ammonia	0.0000.
Oxygen absorbed in 4 hrs. at 80° F.	0.000.

Bacteriological Results.

No. of Bacteria per c.c. or ml.—

On Agar in 3 days at 20° C. ...	15
1 day at 37° C. ...	3
2 days at 37° C. ...	4
The Bacillus Coli.	Absent in 100 c.c.
Bacillus Welchii	Absent in 100 c.c.

Report :

It is a pure and wholesome water, suitable for drinking and domestic purposes.

Ware Rural District.

Standon Council Houses (Station Road Crescent), Wells.

Chemical Results in parts per 100,000.

	No. 1. (August.)	No. 2. (August.)	(October.)	No. 3. (August.)
Appearance	Clear & bright.			
Colour	Normal.			
Odour	Nil.			
Reaction	Neutral 7.			
Electric conductivity at 20° C.	1000.			
Total Solids, 180° C.	67.			
Chlorine in Chlorides	4'8.			
Nitrogen in Nitrates	2'2.			
Nitrites	Absent.			
Hardness: Permanent	18.			
Temporary	27.			
Total	45.			
Metals	Iron 0'015.			
Free Ammonia	Absent.			
Albuminoid Ammonia	0'0012.			
Oxygen absorbed in 4 hours at 80° F. ...	0'035.			

Bacteriological Results.

No. of Bacteria per c.c.—

On Agar in:

3 days at 20° C.	120.	900.	720.	180.
1 day at 37° C.	0.	20.	4.	0.
2 days at 37° C.	3.	30.	10.	7.

The Bacillus Coli ...	Absent in 100 c.c.	Present in 10 c.c.	Present in 100 c.c.	Present in 50 c.c.
		Absent in 5 c.c.	Absent in 50 c.c.	Absent in 20 c.c.
Bacillus Welchii ...	Absent in 100 c.c.	Absent in 100 c.c.	Absent in 100 c.c.	Absent in 100 c.c.

Smallest quantity of
water producing
acid and gas in Bile
Salt Lactose Broth
after 2 days incu-
bation at 37° C. ...

Absent in 100 c.c.	1 c.c.	0'1 c.c.	50 c.c.
Report: Pure and wholesome.	Slight contam- ination.	Water is doubtless wholesome, but a higher standard is very desirable.	Slight pollution. — May be con- sidered whole- some.

Another sample taken
May, 1938, was wholesome.

BRAUGHING (R.D.)

Much Hadham.

Main.

Appearance	Clear and Bright.
Colour... ..	Normal.
Odour	Nil.
Reaction pH	Neutral 7'8.
Electric Conductivity at 20° C. ..	515.
Total solids 180° C.	34'0.
Chlorine in Chlorides	1'8.
Nitrogen in Nitrates	0'24.
Nitrogen in Nitrites	Absent.
Hardness : Permanent	5'0.
Temporary	23'0.
Total	28'0.
Metals... ..	Iron : Absent. Trace of Zinc.
Free Ammonia	0'0000.
Albuminoid Ammonia	0'0008.
Oxygen absorbed in 4 hrs. at 80° F.	0'0005.

Bacteriological Results.

No. of Bacteria per c.c. or ml.—

On Agar in 3 days at 20° C.	...	150.
1 day at 37° C.	...	0.
2 days at 37° C.	...	3.
The Bacillus Coli	... ..	Absent in 100 c.c.
Bacillus Welchii	... ..	Absent in 100 c.c.

Report :

Bacteriologically it is of a very high degree of purity.

It is a pure and wholesome water, suitable for drinking and domestic purposes.

Hertford Rural District.

ASTON.

BAYFORD.

	ASTON.		BAYFORD.
	May	August	December
Appearance ...	Clear and bright	Chemical Results in in parts per 100,000.	
Colour ...	Normal	Bright, slight brown deposit	Clear and bright
Odour ...	None	Normal	Normal
Reaction pH. ...	Neutral 7.2	None	None
Free Carbonic Acid ...	2.8	Neutral 7	Neutral 7.1
Electric conductivity at 20° C. ...	495	2.4	—
Total solids, 180° C. ...	33	505	520
Chlorine in Chlorides ...	1.3	34	34.5
Nitrogen in Nitrates ...	0.22	1.4	1.9
Nitrites ...	Absent	0.34	0.28
Hardness: Permanent	3	Absent	Absent
Temporary	23	7.5	8
Total ...	26	22.5	20.
Metals ...	Iron 0.003	30.	28.
Free Ammonia ...	Absent	Iron 0.025	Absent
Albuminoid Ammonia ...	Absent	Absent	Absent
Oxygen absorbed in 4 hours at 80° F. ...	0.005	Absent	0.0016
Bacteriological Results.			
No. of Bacteria per c.c.:			
On Agar in 3 days		None	0.005
at 20° C. ...			
Do. 1 day at 37° C. ...		1900	18
Do. 2 days at 37° C. ...		380	1
The Bacillus Coli ...		720	2
Report ...	Pure and Wholesome	Absent in 50 c.c.	Absent in 100 c.c.
		Wholesome	Pure & Wholesome

HERTFORD (M.B.)—Sewage Effluents.

Results expressed in parts per 100,000.

	January.	March.	April.	May	June.	August.	October.	December.
Appearance	Bright, very slight humus deposit	Bright, slight humus deposit	Flocculent humus deposit	Bright, very slight humus deposit	Bright, very slight deposit of brown humus	Bright, very slight deposit of brown humus	Bright, very slight flocculent brown humus deposit	Bright, slight flocculent brown humus deposit
Colour	Slight Yellow	Faint Yellow	Slight Yellow	Slight Yellow	Slight Yellow	Slight Yellow	Slight Yellow	Yellow
Odour	Slight Earthy	Slight Earthy	Earthy	Earthy	Faint Earthy	Earthy	Earthy	Slight Earthy
Suspended Matter, Total	Under 1·0	Under 1·0	1·4	Under 1·0	Under 1·0	Under 1·0	Under 1·0	1·6
„ Volatile	Under 1·0	Under 1·0	1·1	Under 1·0	Under 1·0	Under 1·0	Under 1·0	1·1
Chlorine	3·8	3·5	2·9	3·6	3·8	6·0	4·8	4·6
Nitrites	M. Trace	D. Trace	D. Trace	D. Trace	Trace	Distinct Trace	Distinct Trace	Trace
Nitrogen in Nitrates ...	0·28	0·36	0·28	0·32	0·34	0·40	0·42	0·48
Free Ammonia	0·575	0·425	0·575	0·650	0·440	0·475	0·775	0·650
Albuminoid Ammonia ...	0·060	0·042	0·036	0·040	0·035	0·027	0·040	0·070
Oxygen absorbed 4 hrs. at 80° F.	0·460	0·240	0·30	0·240	0·23	0·25	0·28	0·44
„ „ 3 minutes at 80° F.	—	—	—	—	—	—	—	—
Impurity figure	5·3	3·3	3·3	3·2	2·9	2·6	3·4	5·7
Biological oxygen demand	1·08	0·30	0·84	0·70	0·60	0·60	0·45	0·40
Report	Satisfactory	Good	Good	Very Satisfactory	Very Satisfactory	Satisfactory	Satisfactory	Very Satisfactory

HODDESDON (U.D.)—Sewage Effluents.

Analyses of Sewage Effluents taken from Hoddesdon Sewage Farm for the year 1937.

Parts per 100,000.

	March	May	July	October	December
Total Dissolved Matter ...	69'00	85'50	78'50	98'50	70'00
Dissolved Organic Matter ...	3'75	6'00	5'50	5'75	5'50
Chlorine in Chlorides ...	8'29	10'60	11'14	13'90	10'00
Equal to Sodium Chloride ...	13'66	17'47	18'36	22'90	16'48
Nitrogen in Nitrates ...	2'85	4'69	3'46	4'91	2'73
Equal to Nitric Acid ...	11'00	18'10	13'33	18'95	10'53
Free (Actual or Saline) Ammonia ...	'130	'15	'32	1'26	1'88
Albuminoid (Organic) Ammonia ...	'120	'08	'07	'10	'10

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Oxygen absorbed by oxidisable organic matter, etc., from a solution of potassium permanganate at a temperature of 80° Fahr.—

In 15 minutes
In 4 hours

Dissolved Atmospheric Oxygen absorbed in five days, after complete initial saturation with air of the effluent including its sedimentary and suspended matter

Total Suspended Matter
Report of Analyst...

'29	'44	'46	'49	'45
'66	'86	'81	'87	'85
1'7	1'2	'75	'7	1'5
1'0	1'6	'80	'80	1'0
Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory

